

State of Delaware
Department of Natural Resources & Environmental Control
Division of Air & Waste Management
Air Quality Management Section
156 South State Street
Dover, DE 19901

Regulation No. 30 (Title V) Operating Permit

Facility I.D. Number: 1000300016

Permit Number: AQM-003/00016 - Part 3 (Renewal 1) Proposed

Effective Date: _____ Expiration Date: 5 Years from Date of Issuance

Renewal Application Date: _____

Pursuant to 7 Del. C. Chapter 60, Section 6003 and the State of Delaware "**Regulations Governing the Control of Air Pollution**," Regulation No. 2, Section 2 and Regulation No. 30, Section 7(b), approval of the Department of Natural Resources and Environmental Control (Department) is hereby granted to operate the emission units listed in Condition 1 of this permit; subject to the terms and conditions of this permit.

This approval is granted to:

Permittee/Owner (hereafter referred to as "Owner/Operator")	Operator (hereafter referred to as "Operator")
The Premcor Refining Group Inc. Delaware City, Delaware 19706 Responsible Official: Mr. Andrew Kenner, Vice President and General Manager	Premcor Delaware City Refinery
Plant Site Location (hereafter referred to as "Facility")	Plant Mailing Address
Valero Delaware City Refinery 4550 Wrangle Hill Road Delaware City, DE 19706	Valero Delaware City Refinery 4550 Wrangle Hill Road Delaware City, DE 19706

The nature of business of the Facility is Petroleum Refining. The Standard Industrial Classification code is 2911. The North American Industry Classification System code is 324110.

All terms and conditions of this permit are enforceable by the Department and by the U.S. Environmental Protection Agency (EPA), or if specifically designated as “State Enforceable Only,” by the Department only.

[Reference Regulation No. 30 Section 6(b)(1), dated 12/11/2000]

Ravi Rangan, P.E. / Date

Engineer VI

Engineering & Compliance Branch

(302) 323-4542

Paul E. Foster, P.E. / Date

Program Manager

Engineering & Compliance Branch

(302) 323-4542

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Condition 1. Emission Units Identification. [Reference Regulation No. 30 Section 3(c)(1), dated 12/11/2000]

a. Emission Units Information.

Table 2: Emission Points, and Units:

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Designation	Emission Unit	Source Description
DCPP	80	Boiler #1 (618 mmBTU/hr input, natural gas and desulfurized refinery fuel gas fired)
	80	Boiler #2 (716 mmBTU/hr input, natural gas and desulfurized refinery fuel gas fired)
	80	Boiler #3 (618 mmBTU/hr input, syngas, natural gas, and desulfurized refinery fuel gas fired)
	80	Boiler #4 (737 mmBTU/hr input, desulfurized refinery fuel gas fired)
Gas Plant	82	Texaco Gasifier 1 (235 ton/hr synthesis gas from both Gasifiers 1 and 2)
	82	Quench (gas cooler) for Gasifier 1
	82	Texaco Gasifier 2 (235 ton/hr synthesis gas from both Gasifiers 1 and 2)
	82	Quench (gas cooler) for Gasifier 2
	82	Amine Acid Gas Removal system
	82	Syngas Flare
	50	Three-Cell Linear Mechanical Draft Evaporative Cooler (gas flow of 3,000,000 ACFM, cooling water flow of 30,000 gallons per minute)
CCU	84	CCU1 & CCU2 - Each, one Gas Turbine (LHV input of 824.7 mmBTU/hr, HHV input of 878.4 mmBTU/hr, syngas or low sulfur diesel fuel fired)
	84	Duct Burner (215 mmBTU/hr, HHV of 215 mmBTU/hr, natural gas fired, one each, CCU1 & CCU2)
	84	Heat Recovery Steam Generator (one each, CCU1 & CCU2)
	84	Electric Generator (90 MW nominal, one each, CCU1 & CCU2)

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b. Regulation No. 2 Permit Identification¹

Reference Number	Full Regulation No. 2 Permit Designation
<u>APC-90/0288 (A5)</u>	<u>APC-90/0288-OPERATION (Amendment 5) - Boiler No. 1</u> issued July 19, 2006. Boiler No. 1, Unit 80-1.
<u>APC-90/0289 (A6)</u>	<u>APC-90/0289-OPERATION (Amendment 6) - Boiler No. 2</u> issued July 19, 2006. Boiler No. 2, Unit 80-2.
<u>APC-90/0290 (A5)</u>	<u>APC-90/0290-OPERATION (Amendment 5) - Boiler No. 3</u> issued July 19, 2006. Boiler No. 3, Unit 80-3.
<u>APC-90/0291</u>	<u>APC-90/0291-OPERATION - Boiler #4</u> issued February 2, 1993. Boiler No. 4, Unit 80-4.
<u>APC-97/0504</u>	<u>APC-97/0504-OPERATION</u> issued August 6, 2003. Gasifiers #1 & #2, two gas coolers, amine acid gas removal system, syngas flare - Unit 82, One 3-cell linear mechanical draft evaporative cooler - Unit 50.
<u>APC-97/0503 (A3)</u>	<u>APC-97/0503-OPERATION (Amendment 3) (LAER)(NSPS)</u> issued July 19, 2006. Two combined cycle units, two duct burners, two heat recovery steam generators, two electric generators - Unit 84.

Condition 2. General Requirements.

a. Certification.

1. Each document submitted to the Department/EPA as required by this permit shall be certified by a Responsible Official as to truth, accuracy, and completeness. Such certification shall be signed by a Responsible Official and shall contain the following language: "I certify, based on

¹ This chart identifies the underlying permits whose provisions have been incorporated into this Title V permit and specifies the references number that will be used to identify the source of the underlying permit condition throughout this Title V permit.

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information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete." [Reference Regulation No. 30 Section 5(f), dated 11/15/1993 and 6(c)(1), dated 12/11/2000]

2. Any report of deviations required under Conditions 3(c)(2)(ii) or 3(c)(2)(iii) that must be submitted to the Department within ten calendar days of discovery of the deviation, may be submitted in the first instance without a certification provided a certification meeting the requirements of Condition 2(a)(1) is submitted to the Department within ten calendar days thereafter, together with any corrected or supplemental information required concerning the deviation. [Reference Regulation No. 30 Section 6(a)(3)(iii)(D), dated 12/11/2000]
3. Each document submitted to the Department/EPA pursuant to this permit shall be sent to the following addresses:

State of Delaware - DNREC Division of Air and Waste Management Air Quality Management Section 156 South State Street Dover, DE 19901 Attn: Program Administrator	United States Environmental Protection Agency Associate Director of Enforcement (3AP12) 1650 Arch Street Philadelphia, PA 19103
No. of Originals: <u>1</u> & No. of copies: <u>1</u>	No. of copies: <u>1</u>

b. Compliance.

1. The Owner/Operator shall comply with all terms and conditions of this permit. Any noncompliance with this permit constitutes a violation of the applicable requirements under the Clean Air Act, and/or the State of Delaware "Regulations Governing the Control of Air Pollution," and is grounds for an enforcement action, for permit termination, revocation and reissuance or modification, or for denial of a permit renewal. [Reference Regulation No. 30 Sections 6(a)(7)(I), dated 12/11/2000]

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2.
 - i. For applicable requirements with which the source is in compliance, the Owner/Operator shall continue to comply with such requirements. *[Reference Regulation No. 30 Sections 5(d)(8)(iii)(A), dated 12/11/2000, and 6(c)(3), dated 12/11/2000]*
 - ii. For applicable requirements that will become effective during the term of this permit, the Owner/Operator shall meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement. *[Reference Regulation No. 30 Sections 5(d)(8)(iii)(B), dated 12/11/2000, and 6(c)(3), dated 12/11/2000]*
3. Nothing in Condition 2(b)(1) of this permit shall be construed to preclude the Owner/Operator from making changes consistent with Condition 2(m)(3) [Minor Permit Modifications] or Condition 4(a) [Operational Flexibility]. *[Reference Regulation No. 30 Sections 6(h), dated 12/11/2000, and 7(e)(1)(v), dated 12/11/2000]*
4. The fact that it would have been necessary to halt or reduce an activity in order to maintain compliance with the terms and conditions of this permit shall not constitute a defense for the Owner/Operator in any enforcement action. Nothing in this permit shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in assessing penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continuing operations. *[Reference Regulation No. 30 Section 6(a)(7)(ii), dated 12/11/2000]*
5. The Owner/Operator may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency or a malfunction if both the record keeping requirements in Condition 3(b)(2)(iii) and the reporting requirements in Condition 3(c)(2)(ii)(A) are satisfied. *[Reference Regulation No. 30 Section 6(g)(2), dated 12/11/2000]*
6.
 - i. In any enforcement proceeding, the Owner/Operator seeking to establish the occurrence of an emergency or malfunction has the burden of proof. *[Reference Regulation No. 30 Section 6(g)(4), dated 12/11/2000 and 6(g)(5), dated 12/11/2000]*
 - ii. The provisions of Regulation No. 30 pertaining to Emergency/Malfunctions as defined in Condition Nos. 2(b)(5); 2(b)(6); 3(b)(2)(iii); and 3(c)(2)(i)(A) of this permit are in addition to any emergency or malfunction provision contained in any

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applicable requirement. *[Reference Regulation No. 30 Section 6(g)(4), dated 12/11/2000 and 6(g)(5), dated 12/11/2000]*

7. Reserved.
 8. If required, the schedule of compliance in Condition 5(a) of this permit is supplemental to and shall not sanction noncompliance with the applicable requirements upon which it is based. *[Reference Regulation No. 30 Section 5(d)(8)(iii)(C), dated 11/15/1993]*
 9. Nothing in this permit shall be interpreted to preclude the use of any credible evidence to demonstrate noncompliance with any term of this permit. *[Reference 62 FR 8314, dated 2/24/97]*
 10. All terms and conditions of this permit are enforceable by the Department and by the US Environmental Protection Agency ("EPA") unless specifically designated as "State Enforceable Only". *[Reference Regulation No. 30 Section 6(b)(1), dated 12/11/2000]*
- c. **Confidentiality.** The Owner/Operator may make a claim of confidentiality for any information or records submitted to the Department. However, by submitting a permit application, the Owner/Operator waives any right to confidentiality as to the contents of its permit, and the permit contents will not be entitled to protection under 7 Del. C., Chapter 60, Section 6014. *[Reference Regulation No. 30 Section 5(a)(4), dated 11/15/1993, 6(a)(3)(iii)(E), dated 12/11/2000, and 6(a)(7)(v), dated 12/11/2000]*
1. Confidential information shall meet the requirements of 7 Del. C., Chapter 60, Section 6014, and 29 Del. C., Chapter 100. *[Reference Regulation No. 30 Section 5(a)(4), dated 11/15/1993]*
 2. If the Owner/Operator submits information to the Department under a claim of confidentiality, the Owner/Operator shall also submit a copy of such information directly to the EPA, if the Department requests that the Owner/Operator do so. *[Reference Regulation No. 30 Section 5(a)(4), dated 11/15/1993]*
- d. **Construction, Installation, or Alteration.** The Owner/Operator shall not initiate construction, installation, or alteration of any equipment or facility or air contaminant control device which will emit or prevent the emission of an air contaminant prior to submitting an application to the Department under Regulation No. 1102, and, when applicable, Regulation No. 1125, and receiving approval of such application from the Department; except as exempted in Regulation No. 1102 Section 2.2 of the State of Delaware "**Regulations Governing the Control of Air Pollution.**" *[Reference Regulation No. 2 Section 2.1, dated 6/1/97 and Regulation No. 30, Section 7(b)(3), dated 12/11/2000]*

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- e. **Definitions/Abbreviations.** Except as specifically provided for below, for the purposes of this permit, terms used herein shall have the same meaning accorded to them under the applicable requirements of the Clean Air Act and the State of Delaware **“Regulations Governing the Control of Air Pollution.”**

1. “Act” means the Clean Air Act, as amended by the Clean Air Act Amendments of November 15, 1990, 42 U.S.C. 7401 et seq. [Reference Regulation No. 30 Section 2, dated 12/11/2000]
2. “AP-42” means the Compilation Of Air Pollutant Emission Factors, Fifth Edition, AP-42, dated January 15, 1995, as amended with Supplements “A” dated February 1996, “B” dated November 1996, “C” dated November 1997, “D” dated August 1998, “E” dated September 1999, and “F” dated September 2000 and the December 2001 update, the December 2002 update and the December 2003 update.
3. “CFR” means Code of Federal Regulations.
4. “Emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error. [Reference Regulation No. 30 Section 6(g)(1), dated 12/11/2000]
5. “Malfunction” means any sudden and unavoidable failure of air pollution control equipment or process equipment or of a process to operate in a normal or usual manner, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the malfunction. A malfunction shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error. [Reference Regulation No. 30 Section 6(g)(1), dated 12/11/2000]
6. “Number 2 fuel oil” and “No. 2 fuel oil” means distillate oil.
7. “Reg.” and “Regulation” mean State of Delaware **“Regulations Governing the Control of Air Pollution.”**
8. **“Regulations Governing the Control of Air Pollution”** means the codification of those regulations enacted by the Delaware Department of Natural Resources and Environmental Control, in accordance with 7 Del. C., Chapter 60, Section 6010.
9. Permit Specific Definitions:
 - i. “Tons Per Year” and “TPY” tons emitted in any rolling twelve month period.
 - ii. “Stack Test Based Emission Factor” means an emission factor derived from the results of the most recent compliance stack test performed within the last 5 years for the unit in question.

- f. **Duty to Supplement.**

1. Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the Owner/Operator shall promptly

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submit to the Department such supplementary facts or corrected information.
[Reference Regulation No. 30 Section 5(b), dated 11/15/1993]

2. The Owner/Operator shall promptly submit to the Department information as necessary to address any requirement(s) that become applicable to the source after the date it filed a complete application, but prior to release of a corresponding draft permit. *[Reference Regulation No. 30 Section 5(b), dated 11/15/1993]*
3. The Owner/Operator shall furnish to the Department, upon receipt of a written request and within a reasonable time specified by the Department:
 - i. Any information that the Department determines is reasonably necessary to evaluate or take final action on any permit application submitted in accordance with Condition 2(l) or 2(m) of this permit. The Owner/Operator may request an extension to any deadline the Department may impose on the response for such information. *[Reference Regulation No. 30 Section 5(a)(2)(iii), dated 11/15/1993]*
 - ii. Any information that the Department requests to determine whether cause exists to modify, terminate or revoke this permit, or to determine compliance with the terms and conditions of this permit. *[Reference Regulation No. 30 Section 6(a)(7)(v), dated 12/11/2000]*
 - iii. Copies of any record(s) required to be kept by this permit. *[Reference Regulation No. 30 Section 6(a)(7)(v), dated 12/11/2000]*
- g. **Emission Trading.** No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit. *[Reference Regulation No. 30 Section 6(a)(9), dated 12/11/2000]*
- h. **Fees.** The Owner/Operator shall pay fees to the Department consistent with the fee schedule established by the Delaware General Assembly. *[Reference Regulation No. 30 Section 6(a)(8), dated 12/11/2000 and Section 9, dated 12/11/2000]*
- i. **Inspection and Entry Requirements.** Upon presentation of identification, the Owner/Operator shall allow authorized officials of the Department to perform the following:
 1. Enter upon the Owner/Operator's premises where a source is located or an emissions-related activity is conducted, or where records that must be kept under the terms and conditions of this permit are located. *[Reference Regulation No. 30 Section 6(c)(2)(l), dated 12/11/2000]*
 2. Have access to and copy, at reasonable times, any record(s) that must be kept under the terms and conditions of this permit. *[Reference Regulation No. 30 Section 6(c)(2)(ii), dated 12/11/2000]*
 3. Inspect, at reasonable times and using reasonable safety practices, any facility, equipment (including monitoring and air pollution control equipment), practice, or operation regulated or required under this permit. *[Reference Regulation No. 30 Section 6(c)(2)(iii), dated 12/11/2000]*
 4. Sample or monitor, at reasonable times, any substance or parameter for the purpose of assuring compliance with this permit or any applicable requirement. *[Reference Regulation No. 30 Section 6(c)(2)(iv), dated 12/11/2000]*
- j. **Permit and Application Consultation.** The Owner/Operator is encouraged to consult with Department personnel before submitting an application or, at any other time, concerning the operation, construction, expansion, or modification of any installation, or concerning the required pollution control devices or system, the efficiency of such devices or system, or the pollution problem related to the installation. *[Reference Regulation No. 30 Section 5(a)(1)(vii), dated 11/15/1993]*

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- k. **Permit Availability.** The Owner/Operator shall have available at the facility at all times a copy of this permit and shall provide a copy of this permit to the Department upon request. *[Regulation No. 2 Section 8.1, dated 6/1/97]*
- l. **Permit Renewal.** This permit expires 5 years from the date of issuance, except as provided in Condition 2(l)(3) below. *[Reference Regulation No. 30 Section 6(a)(2), dated 12/11/2000]*
1. Applications for permit renewal shall be subject to the same procedural requirements, including those for public participation, *affected state* comment, and EPA review, that apply to initial permit issuance under Regulation No. 30 Section 7(a), except that an application for permit renewal may address only those portions of the permit that the Department determines require revision, supplementing, or deletion, incorporating the remaining permit terms by reference from the previous permit. The Department may similarly, in issuing a draft renewal permit or proposed renewal permit, specify only those portions that will be revised, supplemented, or deleted, incorporating the remaining permit terms by reference. *[Reference Regulation No. 30 Section 7(c)(1), dated 12/11/2000]*
 2. The Owner/Operator's right to operate shall cease upon the expiration date unless a timely and complete renewal application has been submitted to the Department no later than 12 months prior to the expiration date of the permit. *[Reference Regulation No. 30 Section 7(c)(2), dated 12/11/2000]*
 3. The Department shall review each application for completeness and shall inform the applicant within 60 days of receipt if the application is incomplete. Unless the Department requests additional information or otherwise notifies the applicant of incompleteness within 60 days of an application, an application will be deemed complete if it contains the information required by the application form and Section 5(d) of Regulation 30 of "**Regulations Governing the Control of Air Pollution**". *[Reference Regulation No. 30 Section 5(a)(2)(i) dated 11/15/93]*
 4. If a timely and complete application for a permit renewal is submitted to the Department pursuant to Regulation No. 30, Section 5(a)(2)(iv), dated 12/11/2000, and Section 7(c)(1), dated 12/11/2000, and the Department, through no fault of the Owner/Operator, fails to take final action to issue or deny the renewal permit before the end of the term of this permit, then this permit shall not expire until the renewal permit has been issued or denied, and any permit shield granted for the permit shall continue in effect during that time. *[Reference Regulation No. 30 Section 7(c)(3), dated 12/11/2000]*
- m. **Permit Revision and Termination.**
1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. Except as provided under Condition 2(m)(3) [Minor Permit Modification], the filing of a request by the Owner/Operator for a permit modification, revocation and reissuance, or termination, or of a modification of planned changes or anticipated noncompliance does not stay any term or condition of this permit. *[Reference Regulation No. 30 Section 6(a)(7)(iii), dated 12/11/2000 and 7(e)(1)(v), dated 12/11/2000]*
 2. "Administrative Permit Amendment." When required, the Owner/Operator shall submit to the Department a request for an administrative permit amendment in accordance with Regulation No. 30 Section 7(d) of the State of Delaware "**Regulations Governing the Control of Air Pollution**." *[Reference Regulation No. 30 Section 7(d), dated 12/11/2000]*
 3. "Minor Permit Modification." When required, the Owner/Operator shall submit to the Department an application for a minor permit modification in accordance with Regulation No.

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30 Section 7(e)(1) and 7(e)(2) of the State of Delaware “Regulations Governing the Control of Air Pollution.” [Reference Regulation No. 30 Section 7(e)(1), dated 12/11/2000 and 7(e)(2), dated 12/11/2000]

- i. For a minor permit modification, during the period of time between the time the Owner/Operator makes the change or changes proposed in the minor permit modification application and the time that the Department takes action on the application, the Owner/Operator shall comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this period the Owner/Operator, at its own risk, need not comply with the existing terms and conditions of this permit that it seeks to modify. [Reference Regulation No. 30 Section 7(e)(1)(v), dated 12/11/2000 and 7(e)(2)(v), dated 12/11/2000]
 - ii. If the Owner/Operator fails to comply with its proposed permit terms and conditions during this time period, the existing terms and conditions of this permit may be enforced against the Owner/Operator. [Reference Regulation No. 30 Section 7(e)(1)(v), dated 12/11/2000 and 7(e)(2)(v), dated 12/11/2000]
4. “Significant Permit Modification.” When required, the Owner/Operator shall submit to the Department an application for a significant permit modification in accordance with Regulation No. 30 Section 7(e)(3) of the State of Delaware “Regulations Governing the Control of Air Pollution.” [Reference Regulation No. 30 Section 7(e)(3), dated 12/11/2000]
5.
 - i. When the Owner/Operator is required to meet the requirements under Section 112(g) of the Act or to obtain a preconstruction permit under the State of Delaware “Regulations Governing the Control of Air Pollution,” the Owner/Operator shall file a complete application to revise this permit within (12) months of commencing operation of the construction or modification. [Reference Regulation No. 30 Section 5(a)(1)(iv), dated 11/15/1993]
 - ii. When the Owner/Operator is required to obtain a preconstruction permit, the Owner/Operator may submit an application to revise this permit for concurrent processing. The revision request for this permit when submitted for concurrent processing shall be submitted to the Department with the Owner/Operator’s preconstruction review application or at such later time as the Department may allow. Where this permit would prohibit such construction or change in operation, the Owner/Operator shall obtain a *permit revision* before commencing operation. [Reference Regulation No. 1102 Sections 11.2(j), 11.5 and 12.4, dated 6/1/97, and Regulation No. 30 Section 5(a)(1)(iv), dated 11/15/1993]
 - iii. Where an application is not submitted for concurrent processing, the Owner/Operator shall obtain an operating permit under the State of Delaware “Regulations Governing the Control of Air Pollution” prior to commencing operation of the construction or modification to cover the period between the date operation is commenced and until such time as operation is approved under Regulation No. 30. [Reference Regulation No. 1102 Section 2.1, dated 6/1/97]
6. “Permit Termination.” The Owner/Operator may at any time apply for termination of this permit in accordance with Regulation No. 30 Section 7(h)(4) or Section 7(h)(5) of the State of Delaware “Regulations Governing the Control of Air Pollution.” [Reference Regulation No. 30 Sections 7(h)(4), dated 12/11/2000 and 7(h)(5), dated 12/11/2000]

n. Permit Transfer.

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1. A change in ownership or operational control of this facility shall be treated as an administrative permit amendment where the Department has determined that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new owner has been submitted to the Department. *[Reference Regulation No. 30 Section 7(d)(1)(iv), dated 12/11/2000]*
 2. In addition to any written agreement submitted by the Owner/Operator in accordance with Condition 2(n)(1), the Owner/Operator shall have on file at the Department a statement meeting the requirements of 7 Del. C., Chapter 79, Section 7902. *This permit condition is state enforceable only. [Reference 7 Del. C., Chapter 79 Section 7902 dated 8/28/2007]*
 3. The written agreement required in Condition 2(n)(1) of this permit shall be provided to the Department within a minimum of thirty (30) calendar days prior to the specific date for transfer and shall indicate that the transfer is agreeable to both the current and new owner. *[Reference Regulation No. 2 Section 7.1, dated 6/1/97]*
- o. **Property Rights.** This permit does not convey any property rights of any sort, or any exclusive privilege. *[Reference Regulation No. 30 Section 6(a)(7)(iv), dated 12/11/2000]*
- p. **Risk Management Plan Submissions.**
1. In the event this stationary source, as defined in the State of Delaware “**Accidental Release Prevention (ARP) Regulation**” Section 4, is subject to or becomes subject to Section 5 of the “**ARP Regulation**”, (as amended March 11, 2006), the owner or operator shall submit a risk management plan (RMP) to the Environmental Protection Agency’s RMP Reporting Center by the date specified in Section 5.10 and required revisions as specified in Section 5.190. A certification statement shall also be submitted as mandated by Section 5.185. *[Reference Regulation No. 30 Section 6(a)(4), dated 12/11/00, State of Delaware “**Accidental Release Prevention Regulation**”, dated 1/11/99 and Delaware; Approval of Accidental Release Prevention Program, Federal Register/Vol. 6, No. 11 pages 30818-22, dated June 8, 2001]*
 2. If this stationary source, as defined in State of Delaware “**ARP Regulation**” Section 4, is not subject to Section 5 but is subject or becomes subject to Section 6 of the “**ARP Regulation**” (as amended March 11, 2006), the owner or operator shall submit a Delaware RMP to the State of Delaware’s Accidental Release Prevention group by the date specified in Section 6.10 and required revisions as specified by Section 6.60(j). *Note: State enforceable only. [Reference State of Delaware “**Accidental Release Prevention Regulation**”, as amended March 11, 2006]*
- q. **Protection of Stratospheric Ozone.**
- When applicable, this Facility shall comply with the following requirements: *[Reference 40 CFR Part 82 “**Protection of Stratospheric Ozone**”, revised as of 7/1/97 and Regulation No. 30 Section 2 dated 11/15/93]*
1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
 - i. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a process that uses a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.

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- ii. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
 - iii. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
 - iv. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.
1. Any person servicing, maintaining, or repairing appliances, except for motor vehicles, shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B. In addition, Subpart F applies to refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment:
 - i. Persons opening appliances for maintenance, service, repair, or disposal must comply with the prohibitions and required practices pursuant to § 82.154 and § 82.156.
 - ii. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
 - iii. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
 - iv. Persons performing maintenance, service, repair, or disposal of appliances must certify with the Administrator pursuant to § 82.158 and § 82.162.
 - v. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
 - vi. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
2. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82, Subpart F § 82.166.
2. If the permittee manufactures, transforms, destroys, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR Part 82, Subpart A, "Production and Consumption Controls".
3. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, "Servicing of Motor Vehicle Air Conditioners".

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. These systems are regulated under 40 CFR Part 82, Subpart F.

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4. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed as acceptable in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR Part 82, Subpart G, Significant New Alternatives Policy Program.
- r. Severability. The provisions of this permit are severable. If any part of this permit is held invalid, the application of such part to other persons or circumstances and the remainder of this permit shall not be affected thereby and shall remain valid and in effect.
[Reference Regulation No. 30 Section 6(a)(6), dated 12/11/2000]

Condition 3. Specific Requirements.

- a. Emission Limitations, Emission Standards, Operational Limitations and Operational Standards. The Owner/Operator shall comply with the emission limitations and standards detailed in Condition 3 - Table 1 of this permit. *[Reference Regulation No. 30 Section 6(a)(1), dated 12/11/2000]*
- b. Compliance Determination Methodology (Monitoring, Testing, QA/QC Procedures and Record Keeping). The Owner/Operator shall maintain all of the information required under Conditions 3(b)(1) and 3(b)(2) of this permit for a minimum of five (5) years from such information's date of record and shall make these records available to the Department upon written or verbal request.
[Reference Regulation No. 30 Section 6(a)(3)(ii)(B), dated 12/11/2000]
 1.
 - i. Specific Requirements. The Owner/Operator shall comply with the operational limitation(s), monitoring, testing, and record keeping requirement(s) detailed in Condition 3 - Table 1 which are in addition to those in Condition 3(b)(2) of this permit. *[Reference Regulation No. 30 Section 6(a)(1), dated 12/11/2000, 6(a)(3)(I), dated 12/11/2000, and 6(a)(10), dated 12/11/2000]*
 - ii. General Testing Requirements. Upon written request of the Department, the Owner/Operator shall, at the Owner/Operator's expense, sample the emissions of, or fuel used by, an air contaminant emission source, maintain records and submit reports to the Department on the results of such sampling. *[Reference Regulation No. 17, Section 2.2, dated 7/17/84]*
 - iii. The Department must observe all stack emission testing and monitor certification testing including any test audits conducted on the monitors as part of the Quality Assurance Program for the results to be considered for acceptance unless the Department determines in advance, in writing, that the test need not be observed. Further, the Department may in its discretion determine based on its observation of the test that it need not observe the entire test.
 - iv. All monitor performance specification testing and stack emissions testing shall require the submission of a "Source Sampling Guidelines and Preliminary Survey Form" which must be found acceptable to the Department at least thirty (30) days prior to the testing.
 - v. The results of all monitor performance specification testing and stack emission testing shall be submitted to the Department, in triplicate, within ninety (90) days after completion of the testing.
 2. General Record Keeping Requirements. The Owner/Operator shall record all of the following information.
 - i. If required, for each operating scenario identified in Condition 3 - Table 1 of this permit, a record that indicates the operating scenario under which each particular emission unit is

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operating. The Owner/Operator shall, contemporaneously with changing from one operating scenario to another, record in this log the time at which the operating scenario under which it is operating is changed. *[Reference Regulation No. 30 Section 6(a)(10), dated 12/11/2000]*

- ii. The following information to the extent specified in Condition 3 - Table 1 of this permit. *[Reference Regulation No. 30 Section 6(a)(3)(ii)(A), dated 12/11/2000]*
 - A. The date, place, and time of the sampling or measurements. *[Reference Regulation No. 30 Section 6(a)(3)(ii)(A)(aa), dated 12/11/2000]*
 - B. The dates analyses were performed. *[Reference Regulation No. 30 Section 6(a)(3)(ii)(A)(bb), dated 12/11/2000]*
 - C. The Owner/Operator or entity that performed the analyses. *[Reference Regulation No. 30 Section 6(a)(3)(ii)(A)(cc), dated 12/11/2000]*
 - D. The analytical techniques or methods used. *[Reference Regulation No. 30 Section 6(a)(3)(ii)(A)(dd), dated 12/11/2000]*
 - E. The results of such analyses. *[Reference Regulation No. 30 Section 6(a)(3)(ii)(A)(ee), dated 12/11/2000]*
 - F. The operating conditions as existing at the time of sampling or measurement. *[Reference Regulation No. 30 Section 6(a)(3)(ii)(A)(ff), dated 12/11/2000]*
- iii. If the Owner/Operator is claiming the affirmative defense of emergency or malfunction as provided in Condition 2(b)(5); a properly signed, contemporaneous operating logs, or other relevant evidence which indicates that: *[Reference Regulation No. 30 Section 6(g)(3), dated 12/11/2000]*
 - A. An emergency or malfunction occurred and the causes of the emergency or malfunction. *[Reference Regulation No. 30 Section 6(g)(3)(i), dated 12/11/2000]*
 - B. The facility was at the time of the emergency or malfunction being operated in a prudent and professional manner and in compliance with generally accepted industry operations and maintenance procedures. *[Reference Regulation No. 30 Section 6(g)(3)(ii), dated 12/11/2000]*
 - C. During the period of the emergency or malfunction the Owner/Operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of this permit. *[Reference Regulation No. 30 Section 6(g)(3)(iii), dated 12/11/2000]*
- iv. A copy of the written notice required by Condition 3(c)(2)(iii) for each change made under Condition 4(c) [Operational Flexibility] of this permit shall be maintained with a copy of this permit. *[Reference Regulation No. 30 Section 6(h)(1), dated 12/11/2000]*

c. Reporting and Compliance Certification Requirements.

- 1. Specific Reporting/Certification Requirements. The Owner/Operator shall comply with the Reporting/Certification Requirements detailed in Condition 3 - Table 1 of this permit, which are in addition to those of Conditions 3(c)(2) and 3(c)(3) of this permit. Each report that contains any deviations from the terms of Condition 3 - Table 1 shall identify the probable cause of the deviations and any corrective actions or preventative measures taken. *[Reference*

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Regulation No. 30 Sections 6(a)(3)(iii), dated 12/11/2000, 6(a)(3)(iii)(C)(cc), dated 12/11/2000, and 6(a)(3)(iii)(C)(dd), dated 12/11/2000]

2. General Reporting Requirements.

- i. The Owner/Operator shall submit to the Department a report of any required monitoring not later than the first day of August (covering the period from January 1 through June 30 of the current calendar year) and the first day of February (covering the period July 1 through December 31 of the previous calendar year) of each calendar year. Each report shall identify any deviations from permit requirements since the previous report, any deviations from the monitoring, record keeping and reporting requirements under this permit, and the probable cause of the deviations and any corrective actions or preventative measures taken. If no deviations have occurred such shall be stated in the report. *[Reference Regulation No. 30 Section 6(a)(3)(iii)(A), dated 12/11/2000 and (B), dated 12/11/2000, and Section 6(a)(3)(iii)(C)(dd), dated 12/11/2000]*
- ii. In addition to the semiannual monitoring reports required under Condition 3(c)(2)(I), the Owner/Operator shall submit to the Department supplemental written reports an/or notices identifying all deviations from permit conditions, probable cause of the deviations, and any corrective actions or preventative measures as follows: *[Reference Regulation No. 30, Sections 6(a)(3)(iii)(C)(cc), dated 12/11/2000 and 6(a)(3)(iii)(C)(dd), dated 12/11/2000]*
 - A. If the Owner/Operator is claiming the affirmative defense of emergency or malfunction as provided in Condition 2(b)(5) of this permit, a notice of any deviation resulting from emergency or malfunction conditions shall be reported to the Department within two working days of the time when the technology-based emission limitations were exceeded. Such notice shall contain a description of the emergency or malfunction, any steps taken to mitigate emissions, and any corrective actions taken. *[Reference Regulation No. 30 Sections 6(a)(3)(iii)(C)(aa), dated 12/11/2000 and 6(g)(3)(iv), dated 12/11/2000]*
2. Emissions in excess of any permit condition or emissions which create a condition of air pollution shall be reported to the Department immediately upon discovery and after activating the appropriate site emergency plan, in the following manner:
 - 1 By calling the Department's Environmental Emergency Notification and Complaint number (800) 662-8802, if the emission poses an imminent and substantial danger to public health, safety or the environment. *[Reference: Regulation No 1130, Section 6(a)(3)(iii)(C)(bb) dated 12/11/2000]*
 2. Other emissions in excess of any permit condition or emissions which create a condition of air pollution may be called in to the Environmental Emergency Notification and Complaint number (800) 662-8802 or faxed to (302) 739-2466. The ability to fax in notifications may be revoked upon written notice to the Company by the Department in its sole discretion. *[Reference: Regulation No 1130, Section 6(a)(3)(iii)(C)(bb) dated 12/11/2000]*
 3. In addition to complying with Condition 3.c.2.ii.B. 1 and 2 of this permit, the Owner/Operator shall satisfy any reporting required by the "Reporting of a Discharge of a Pollutant or an Air Contaminant" regulation, within 30

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calendar days of becoming aware of an occurrence subject to reporting pursuant to these conditions. All reports submitted to the Department shall be submitted in writing and shall include the following information:

[Reference Regulation No. 30 Sections 6(a)(3)(iii)(C)(cc), dated 12/11/2000 and 6(a)(3)(iii)(C)(dd), dated 12/11/2000]

- i. The name and location of the facility;
- ii. The subject sources that caused the emissions;
- iii. The time and date of the first observation of the excess emissions;
- iv. The cause and expected duration of the excess emissions;
- v. For sources subject to numerical emission limitations, the estimated rate of emissions (expressed in the units of the applicable emission or operational limitation) and the operating data and calculations used in determining the magnitude of the excess emissions; and
- vi. The proposed corrective actions and schedule to correct the conditions causing the excess emissions.

Emissions on the same day from the same emission unit may be combined into one report. Emissions from the same cause that occur contemporaneously may also be combined into one report. The Owner/Operator shall submit an electronic copy of all required reports to the Department's compliance engineer assigned to the Refinery.

- C. Discharges to the atmosphere in excess of any quantity specified in the State of Delaware "Reporting of a Discharge of a Pollutant or an Air Contaminant" Regulation shall be reported, immediately upon discovery and after activating the appropriate site emergency plan, either in person or to the Department's 24-hour complaint line (1-800-662-8802). Discharges in compliance with this permit and excess emissions previously reported under Condition 3(c)(2)(ii)(B) of this permit

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are exempt from this reporting requirement. *[Reference Regulation No. 30 Section 6(a)(3)(iii)(C)(ee), dated 12/11/2000 and 7 Del. C., Chapter 60, Section 6028]*

- iii. Prior to making a change as provided in Condition 4 [Operational Flexibility] of this permit the Owner/Operator shall give written notice to the Department and the EPA at least seven calendar days before the change is to be made. *[Reference Regulation No. 30 Section 6(h)(1), dated 12/11/2000]*
 - A. The seven day period may be shortened or eliminated as necessary for a change that must be implemented more quickly to address unanticipated conditions posing a significant health, safety, or environmental hazard. *[Reference Regulation No. 30 Section 6(h)(1), dated 12/11/2000]*
 - B. If less than seven calendar days notice is provided because of a need to respond more quickly to such unanticipated conditions, the Owner/Operator shall provide notice to the Department and to EPA as soon as possible after learning of the need to make the change, together with the reasons why advance notice could not be given. *[Reference Regulation No. 30 Section 6(h)(1), dated 12/11/2000]*
 - C. The written notice shall include all of the following information: *[Reference Regulation No. 30 Section 6(h)(1), dated 12/11/2000]*
 - 1. The identification of the affected emission unit(s) and a description of the change to be made.
 - 2. The date on which the change will occur.
 - 3. Any changes in emissions.
 - 4. Any permit terms and conditions that are affected, including any new applicable requirements.
- iv. The Owner/Operator shall submit to the Department an annual emissions statement in accordance with Regulation No. 17 Section 7 not later than April 30 of each year or other date as established by the Department unless an extension by the Department is

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granted. Such emissions statement shall cover the preceding calendar year.

[Regulation No. 17 Section 7, dated 1/11/93]

- v. If required, the Owner/Operator shall submit to the Department a progress report for applicable requirements identified in Condition 5 - Table 1 of this permit. Such reports shall be submitted not later than the first day of August (covering the period from January 1 through June 30 of the current calendar year) and the first day of February (covering the period July 1 through December 31 of the previous calendar year) of each calendar year. Each progress report shall include the following:

[Reference Regulation No. 30 Sections 5(d)(8), dated 12/11/2000 and 6(c)(4), dated 12/11/2000]

- A. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved. *[Reference Regulation No. 30 Section 6(c)(4)(I), dated 12/11/2000]*

- B. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted. *[Reference Regulation No. 30 Section 6(c)(4)(ii), dated 12/11/2000]*

- vi. Nothing herein shall relieve the Owner/Operator from any reporting requirements under federal, state or local laws. *[Reference Regulation No. 30 Section 6(a)(3)(iii)(C)(ee), dated 12/11/2000]*

3. General Compliance Certification Requirements.

- i. Compliance with terms and conditions detailed in Condition 3 - Table 1 of this permit shall be certified to the Department not later than the first day of February of each year unless the terms or conditions in Condition 3 - Table 1 of this permit require compliance certifications to be submitted more frequently. Such certification shall cover the previous calendar year and shall be submitted on Form AQM-1001BB. The Compliance Certification shall include the following information: *[Reference Regulation No. 30 Section 6(c)(5)(I), dated 12/11/2000]*

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- A. The identification of each term or condition of the permit that is the basis of the certification. *[Reference Regulation No. 30 Section 6(c)(5)(iii)(A), dated 12/11/2000]*
 - B. The Owner/Operator's current compliance status, as shown by monitoring data and other information reasonably available to the Owner/Operator. *[Reference Regulation No. 30 Section 6(c)(5)(iii)(B), dated 12/11/2000]*
 - C. Such certification shall indicate whether compliance was continuous or intermittent during the covered period. *[Reference Regulation No. 30 Section 6(c)(5)(iii)(C), dated 12/11/2000]*
 - D. The method(s) used for determining the compliance status of the Owner/Operator, currently and over the reporting period as required by the monitoring, record keeping, and reporting required under Condition 3. *[Reference Regulation No. 30 Section 6(c)(5)(iii)(D), dated 12/11/2000]*
 - E. Such other facts as the Department may require to determine the compliance status of the source. *[Reference Regulation No. 30 Section 6(c)(5)(iii)(E), dated 12/11/2000]*
- ii. Each compliance certification shall be submitted to the Department and EPA and shall be certified in accordance with Condition 2(a) of this permit. *[Reference Regulation No. 30 Section 6(c)(5)(iv), dated 12/11/2000]*
 - iii. Any additional information possessed by the Owner/Operator that demonstrates noncompliance with any applicable requirement must also be used as the basis for compliance certifications. *[Reference 62 FR 8314, dated 2/24/97]*

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination	
	Methodology	Reporting/Compliance
	(Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Certification

a. Emission Unit 80

Boiler 80-1 (618 mmBtu/hr)

Boiler 80-2 (716 mmBtu/hr)

Boiler 80-3 (618 mmBtu/hr)

Boiler 80-4 (737 mmBtu/hr)

(Emission Point 80-1)

1. [RESERVED]

i. [RESERVED]

2. Conditions Applicable to Multiple Pollutants:

i. Operational Limitations: [Reference APC-90/0289 (A6), APC-90/0290 (A5) and APC-90/0289 (A6), APC-90/0290 (A5) and APC-90/0289 (A6), APC-90/0290 (A5) and APC-90/0289 (A6)]

- A. No liquid fuels shall be burned in any of the following boilers:
- Only desulfurized refinery fuel gas (RFG) can be fired in Boilers 80-1, 80-2 and 80-3.
 - Only desulfurized RFG, natural gas or syngas can be fired in Boiler 80-4.

B. [RESERVED]

ii. Compliance Method: [Reference APC-90/0289 (A6), APC-90/0290 (A5) and APC-90/0289 (A6), APC-90/0290 (A5) and APC-90/0289 (A6)]

- A. Compliance with Operational Limitations shall be based on Premcor demonstration that only the allowable fuels and no other fuels have been combusted in the boilers during the compliance period and that the Monitoring/Testing requirements are met.

v. Reporting: [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5), APC-90/0291 and APC-90/0288 (A5)]

- A. [RESERVED]
- B. All stack emission testing and certification testing shall be performed in accordance with Section 3(b)(1)(iii).
- C. [RESERVED]
- D. [RESERVED]

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

- | | | |
|---|--|---|
| <p>C. [RESERVED]</p> <p>D. [RESERVED]</p> <p>E. Except during periods of startup and shutdown, the burner steam injection and flue gas recirculation systems in Boiler 2 shall be working in a manner consistent with maintaining 0.04 lb/MMBtu NOx on a rolling average. F. [RESERVED]</p> <p>G. [RESERVED]</p> <p>H. The Owner/Operator shall not cause the combustion of any fuel in Boiler 8 to operate at a rate that exceeds the boiler design capacity of 737 MMBtu/hr averaged over a rolling 24 hour day period. [Reference Regulation No. 2 Section 10.1 dated 06/01/1997]</p> <p>I. The H2S content of the RFG shall not exceed 0.10 grain/dscf on a 3 hour rolling average. [Reference APC-90/0288 (A5), APC-90/0289 (A5), APC-90/0290 (A5) and APC-97/0503 (A3)]</p> | <p>B. [RESERVED]</p> <p>C. [RESERVED]</p> <p>D. Compliance with Operational Limits shall be based on maintaining the manufacturer's recommended injection and flue gas recirculation rates. The rates may be adjusted based on the experience of the Owner/Operator with the controls, consistent with minimizing emissions and good engineering practices.</p> <p>E. [RESERVED]</p> <p>F. Compliance with Operational Limits shall be based on Monitoring and Reporting requirements.</p> <p>G. Compliance with Operational Limits shall be based on the H2S CEMS.</p> <p>H. Comply with "Combined Limits" as specified in Condition 3, Table 1.f</p> | <p>E. The Owner/Operator shall submit the following semi-annual excess emissions reports. The reports for the previous semi-annual period shall be submitted to the Department by January 31 and July 31 of each calendar year with a summary of excess emissions for the semi-annual period. The summary shall include:</p> <ol style="list-style-type: none"> 1. The name and location of the facility; 2. The subject sources that caused excess emissions; 3. The time and date of the first observation of the excess emissions; 4. The cause and expected duration of excess emissions; 5. The estimated amount of excess emissions (expressed in the units of applicable regulatory limit). |
|---|--|---|

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

J. Comply with "Combined Limits"
Condition 3, Table 1.f

iii. Monitoring/Testing: [Reference APC-90/0
APC-90/0289 (A6), APC-90/0290 (A5) and APC-90/

A. [RESERVED]

B. [RESERVED]

C. A continuous flow monitoring system
installed to measure the amount of
combusted in Boiler 80-3. [Reference
APC-90/0290 (A5) (RACT)]

D. [RESERVED]

E. [RESERVED]

F. [RESERVED]

G. The Owner/Operator shall conti
monitor and record the fuel flow r
each boiler. [Reference Regulation No.
6(a)(3)(i)(B), dated 12/11/2000]

H. The Owner/Operator shall conti

emission limitation); and

6. The proposed corrective actio
schedule to correct the conditions
the excess emissions.

7. [RESERVED]

8. [RESERVED]

9. [RESERVED]

10. [RESERVED]

11. [RESERVED]

12. [RESERVED]

13. [RESERVED]

F. The Owner/Operator shall submit c
CEMS and COMS repots by January :
30, July 31 and October 31 of each r
year. The CEMS and COMS repot
include a report of excess emissions, c
audit results, data capture for the per

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

monitor and record the concentration (on a dry basis) of H₂S in RFG before it is combusted in any fuel burning device. The H₂S monitor shall be located downstream of all process steps that increase the concentration of H₂S in RFG prior to its being combusted in a fuel burning device. The monitoring instrument shall conform to the requirements in 40 CFR 60, Appendix A. The monitoring instrument shall conform to the requirements of Performance Specification 7 of 40 CFR 60, Appendix A. The Relative accuracy evaluations shall be conducted using Method 11 of 40 CFR 60, Appendix "A." [Reference APC-90/0289 (A6), APC-90/0290 (A5)]

- I. Comply with "Combined Limits" Condition 3, Table 1.f

- iv. Recordkeeping: [Reference APC-90/0289 (A6), APC-90/0290 (A5) and APC-90/0291 (A6)]

- A. The Owner/Operator shall maintain records necessary for determining

details of out of control periods.

- G. The Owner/Operator shall notify the Department in writing prior to making any material changes which cause the facility to fall under the authority of Title I of the Clean Air Act.

H. **[RESERVED]**

- I. The Owner/Operator shall submit the following quarterly CEMS reports by April 31, April 30, July 31 and October 31 of each calendar year:

1. The H₂S CEMS reports shall include a report listing all rolling 3 hour periods during which the average concentration of H₂S as measured by the H₂S monitor exceeds 162 ppmv (dry) or 1.6 grain/dscf, quarterly audit results, details of out of control periods. The data submitted in the Owner/Operator's quarterly H₂S NSPS report for the facility shall include this reporting requirement.

- J. Comply with "Combined Limits" Condition 3, Table 1.f

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

compliance with this permit in accordance with Condition 3(b).

- B. Comply with "Combined Limits" Condition 3, Table 1.f

K. The Owner/Operator shall semi-annually all records necessary to demonstrate compliance with Condition 3, Table 1.a.2.i.A. and Condition 3, Table 1.a.2.ii.A.

vi. **[RESERVED]**

3. Particulate Emissions:

xii. Emission Standards: [Reference APC-90/L APC-90/0289 (A6), APC-90/0290 (A5) and APC-90/L

A. **[RESERVED]**

B. PM10 emissions including H₂SO₄ slurry shall not exceed the following limits:

1. 0.0104 lb/mmBtu heat input when burning natural gas or refinery fuel gas in Boilers 80-1, 80-2 and 80-3.
2. 0.026 lb/mmBtu heat input when burning syngas in Boiler 80-3.
3. 24 TPY from Boiler 80-1.

iii. Compliance Method: [Reference APC-90/L APC-90/0289 (A6), APC-90/0290 (A5) and APC-90/L

- A. Compliance with PM10 Emission Standards shall be demonstrated using stack test emissions factors and fuel flow rates for boilers.
- B. Compliance with TSP Emission Standards shall be demonstrated using stack test emissions factors and fuel flow rates for boilers.
- C. **[RESERVED]**

vi. Reporting:

Comply with "Conditions Applicable to Air Pollutants" in Condition 3, Table 1.a.2.v (EU)

vii. Certification Requirement:

None in addition to those listed in Condition 3(c)(3) of this permit.

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	
<u>4.</u> 27.8 TPY from Boiler 80-2.		
<u>5.</u> 92 TPY from Boiler 80-3.		
C. [RESERVED]	iv. Monitoring/Testing:	
D. TSP emissions shall not exceed the following limits:	A. The Owner/Operator shall conduct the following stack tests annually, in accordance with Condition 3(b):	
<u>1.</u> 0.0062 lb/mmBtu heat input when burning natural gas or refinery fuel gas in Boilers 80-1, 80-2 and 80-3.	1. EPA Reference Method 5 for TSP.	
<u>2.</u> 0.0074 lb/mmBtu heat input when burning syngas in Boiler 80-3.	2. EPA Reference Method 5B/202 for SO ₂ including H ₂ SO ₄ .	
<u>3.</u> 13.5 TPY from Boiler 80-1.	3. The Owner/Operator may petition the Department to decrease the frequency of TSP or PM ₁₀ performance tests based on the results of any performance tests.	
<u>4.</u> 15.7 TPY from Boiler 80-2.	B. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3.	
from Boiler 80-3.	Table 1.a.2.iii (EU-80).	
E. [RESERVED]		
F. [RESERVED]		
	v. Recordkeeping:	

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

ii. Operational Limitation:
Comply with "Conditions Applicable to Pollutants" in Condition 3, Table 1.a.2 (EU-1

Comply with "Conditions Applicable to Pollutants" in Condition 3, Table 1.a.2.iv (E

4. Sulfur Dioxide (SO₂):

i. Emission Standards: [Reference APC-90/0 APC-90/0289 (A6), APC-90/0290 (A5)]

A. [RESERVED]

B. The Owner/Operator shall not cause the emission of SO₂ in excess of the following limits:

1. Boiler 80-1: 61.4 TPY
2. Boiler 80-2: 71.2 TPY
3. Boiler 80-3: 778.9 TPY

ii. Operational Limitations:
Comply with "Conditions Applicable to

iii. Compliance Method: [Reference APC-90/0 APC-90/0289 (A6), APC-90/0290 (A5)]

A. Compliance with the SO₂ Emission Standard for Boiler 80-3 shall be based on Continuous Emissions Monitoring (CEMS) for Boiler 80-3.

B. Compliance with the SO₂ Emission Standard for Boilers 80-1 and 80-2 shall be demonstrated by complying with the gas monitored H₂S content limit as measured by the H₂S Continuous Monitoring System (CMS) for Boilers 80-1 and 80-

vi. Reporting:

Comply with "Conditions Applicable to Pollutants" in Condition 3, Table 1.a.2.v (EU

vii. Certification Requirement:

None in addition to those listed in Condition 3(c)(3) of this permit.

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

Pollutants" in Condition 3, Table 1.a.2 (EU

iv. Monitoring/Testing: [Reference APC-90/0
APC-90/0289 (A6), APC-90/0290 (A5)]

A. The Owner/Operator shall opera
maintain SO₂ CEMS for 80-3.B. The
CEMS shall conform to Perf
Specification 2 of 40 CFR 60, Appen
The Quality Assurance/Quality
(QA/QC) procedures for SO₂ CEMS
boiler shall be established in accorda
40 CFR 60, Appendix "F.".

B. [RESERVED]

C. [RESERVED]

D. [RESERVED]

v. Recordkeeping: [
APC-90/0289-CONSTRUCTION (Amendment 5) (RAC
No. 2, dated 10/25/2002]

The Owner/Operator shall maintain SO

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

data, calibration and audit results in accordance with Condition 3(b).

5. Nitrogen Oxides (NO_x):

i. Emission Standards: [Reference APC-90/0 APC-90/0289 (A6), APC-90/0290 (A5)]

A. [RESERVED]

B. The Owner/Operator shall not cause the emission of NO_x in excess of the following baseline emission levels for the boilers

1. Boiler 80-1: 541.4 TPY

2. Boiler 80-2: 125.4 TPY 3. Boiler 80-3: 125.4 TPY

C. The NO_x emissions shall not exceed the following levels based on a 24-hour average basis:

1. 0.20 lb/mmBtu for Boilers 80-1

iii. Compliance Method: [Reference APC-90/0 APC-90/0289 (A6), APC-90/0290 (A5)]

A. Compliance with the NO_x Emission Standard shall be based on Continuous Emission Monitoring System (CEMS) for NO_x for Boilers 80-1, 80-2 and 80-3.

B. Compliance with a less stringent emission limit shall be based on compliance with a more stringent limit.

iv. Monitoring/Testing: [APC-90/0289-CONSTRUCTION (Amendment 5) (RAC No. 2, dated 10/25/2002)]

A. The Owner/Operator shall operate and maintain NO_x and CO₂ CEMS for the boilers

vi. Reporting:

NO_x authorized account representative or Budget source and each NO_x Budget unit source shall submit the reports and certifications required under the NO_x Trading Program, including those required by Regulation No. 39 Sections 7, 8, and 11.

vii. Certification Requirement: [

Permit: AQM-003/00016-1 dated 05/01/2008
Regulation No. 39 Section 6(d) dated 12/11/2007

In addition to those listed in Condition 3 of this permit, each document submitted to the Department and the Administrator pursuant to NO_x Budget requirements shall be signed

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

and 80-4.

2. 0.04 lb/mmBtu for Boiler 80-2.

D. [RESERVED]

E. The Owner/Operator shall not cause the emission of NO_x in excess lb/mmBtu from Boilers 80-1, 80-2, 80-3, and 80-4 on a 24-hour rolling average. [Reference Regulation No. 12 Section 3.2 11/24/1993 (NO_x RACT)]

F. During the ozone season (May 1 to September 30 of 2008), the Owner/Operator shall hold in its compliance account an overdraft account, as of the NO_x allowance transfer deadline of each control period, a quantity of NO_x allowances available for deduction that is equal to or greater than the total NO_x emissions from each boiler during each control period.

B. The NO_x and CO₂ CEMS for boilers shall conform to the applicable Performance Specifications in 40 CFR 75, Appendix A. The QA/QC procedures for NO_x and CO₂ CEMS shall be established in accordance with 40 CFR 75, Appendix "B."

v. Recordkeeping: [Reference APC-90/02-010 (A6), APC-90/0290 (A5)]

A. The Owner/Operator shall maintain CEMS data, calibration and audit records in accordance with Condition 3(b).

B. Unless otherwise provided, the owner/operators of the NO_x Budget sources shall keep on site at the source each of the following documents in accordance with Condition 3(b):

certified by the Authorized Representative and shall contain the following language:

"I am authorized to make this submission on behalf of the owners and operators of the NO_x Budget sources or NO_x Budget units for which this submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and its attachments. Based on my inquiry of the individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for providing false information."

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

[Reference: Permit:AQM-003/00016-I dated 0
and Regulation No. 39 Section 2(a) dated 12/1
Budget Trading Program)]

ii. Operational Limitations:

Comply with "Conditions Applicable to
Pollutants" in Condition 3, Table 1.a.2 (EU

Condition 3(b). This period n
extended for cause, at any time prio
end of 5 years, in writing by the Dep
or the Administrator.

1 The account certificate of repres
under Regulation No. 39 Section 6
documents that demonstrate the
the statements in the account ce
of representation; provided th
certificate and documents sh
retained on site at the source
such 5 year period until such doc
are superseded because c
submission of a new account ce
of representation under Re
No. 39 Section 6 changing th
authorized account representative

*penalties for submitting false stateme
information or omitting required stateme
information, including the possibility of
imprisonment."*

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination	
	Methodology	Reporting/Compliance
	(Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Certification

- 2 All emissions monitoring information shall be maintained in accordance with Regulation Section 8.
- 3 Copies of all reports, certifications, and other submissions shall be maintained. All records made or required under the NOx Budget Trading Program.
- 4 Copies of all documents used to complete a NOx Budget application and any other submissions under the NOx Budget Trading Program or to demonstrate compliance with requirements of the NOx Budget Program.
- 5 Records demonstrating that a facility exempted under Regulation Section 3(b) of this regulation is

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

The owner(s) or operator(s) of t
bears the burden of proof that th
retired.

*[Reference: Permit: AQM-003/00016-I dated 0
and Regulation No. 39 Sections 7, 8 and
12/11/00]*

6. Carbon Monoxide (CO):

i. Emission Standards: *[Reference APC-90/0
APC-90/0289 (A6), APC-90/0290 (A5)]*

A. **[RESERVED]**

B. The Owner/Operator shall not cause or a
emissions of CO in excess of
lb/mmBtu from Boilers 80-1, 80-2 ar

C. The Owner/Operator shall nc
or allow the emission of CO in exces
following limits:

1. 92 TPY for Boiler 80-1.

iii. Compliance Method: *[Reference APC-90/0
APC-90/0289 (A6), APC-90/0290 (A5)]*

Compliance with the CO Emission Standal
be demonstrated by the following methoc

A. **[RESERVED]**

B. Stack test based emissions factor a
flow rates for Boilers 80-1 and 80-3.

C. CEMS for Boiler 80-2.

iv. Monitoring/Testing: *[Reference APC-90/0
APC-90/0289 (A6), APC-90/0290 (A5)]*

A. The Owner/Operator shall conduct ar

vi. Reporting:

Comply with "Conditions Applicable to
Pollutants" in Condition 3, Table 1.a.2.v (EU-80)

vii. Certification Requirement:

None in addition to those listed in Condition 3
this permit.

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

2. 106.6 TPY for Boiler 80-2.

3. 92 TPY for Boiler 80-3.

ii. Operational Limitations:

Comply with "Conditions Applicable to Pollutants" in Condition 3, Table 1.a.2 (EU

stack test for CO using EPA Reference Method 10 and in accordance with Condition 3(b) unless the Department approves frequent testing.

B. The Owner/Operator shall operate and maintain CO CEMS for Boiler 80-2.

C. The CO CEMS shall conform to the applicable Performance Specifications in 40 CFR Appendix "B." The QA/QC procedures for the CO CEMS shall be established in accordance with the procedures in Part 60, Appendix "F."

v. Recordkeeping:

A. For Boiler 80-2, the Owner/Operator shall maintain CO CEMS data, calibration and test results in accordance with Condition 3

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

B. For Boilers 80-1, 80-3 and 80-4, the Owner/Operator shall comply with the "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.iv (EU-80).

7. Volatile Organic Compounds (VOC):

i. Emission Standards: [Reference APC-90/0289 (A6), APC-90/0290 (A5)]

A. [RESERVED]

B. VOC emissions shall not exceed the following limits:

1. 0.0014 lb/mmBtu from Boilers 80-1, 80-3, and 80-4.

2. [RESERVED]

C. The Owner/Operator shall not cause or allow an emission of VOC in excess of the following limits:

1. 3.8 TPY from Boiler 80-1.

iii. Compliance Method: [Reference APC-90/0289 (A6), APC-90/0290 (A5)]

Compliance with the VOC Emission Standards shall be demonstrated using stack test based on the test factors and fuel flow rates for the boilers.

iv. Monitoring/Testing:

A. The Owner/Operator shall conduct annual EPA Reference Method 25 A stack test for VOC in accordance with Condition 3(b). The Owner/Operator may petition the Department to decrease the frequency of VOC performance testing.

vi. Reporting:

Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.v (EU-80).

vii. Certification:

None in addition to those listed in Condition 3, Table 1.a.2.vi (EU-80) of this permit.

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<u>2.</u> 4.4 TPY from Boiler 80-2. <u>3.</u> 3.8 TPY from Boiler 80-3.		based on the results of any performance t B. Comply with "Conditions Applicable to Pollutants" in Condition 3, Table 1.a.2.iii (E
ii. Operational Limitations: Comply with "Conditions Applicable to Pollutants" in Condition 3, Table 1.a.2 (EU-80)	v. Recordkeeping: Comply with "Conditions Applicable to Pollutants" in Condition 3, Table 1.a.2.iv (EU-80	
8. Sulfuric Acid Mist (H ₂ SO ₄): i. Emission Standards: [Reference APC-90/02 APC-90/0289 (A6), APC-90/0290 (A5)] A. [RESERVED]B. The Owner/Operator shall not or allow the emission of H ₂ SO ₄ in excess following limits: <u>1.</u> 9.4 TPY for Boiler 80-1. <u>2.</u> 10.9 TPY for Boiler 80-2.	iii. Compliance Method: [Reference APC-90/02 APC-90/0289 (A6), APC-90/0290 (A5)] A. Compliance shall be demonstrated using test based emissions factors and fuel flow for the boilers. B. [RESERVED] C. Compliance for the boiler 80-3 shall demonstrated by applying the stack test	vi. Reporting: Comply with "Conditions Applicable to Pollutants" in Condition 3, Table 1.a.2.v (EU-80) vii. Certification: None in addition to those listed in Condition 3 this permit.

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
3. 71.6 TPY for Boiler 80-3. C. [RESERVED]	SO ₂ to H ₂ SO ₄ conversion factor CEMS-monitored SO ₂ emissions.	
ii. Operational Limitations: Comply with "Conditions Applicable to Pollutants" in Condition 3, Table 1.a.2 (EU-80)	D. Compliance for Boilers 80-1 and 80-2 : demonstrated by applying the fuel gas mo H ₂ S content to the H ₂ SO ₄ conversion facto	
	iv. Monitoring/Testing: A. The Owner/Operator shall conduct ann EPA Reference Method 8 stack test for H accordance with Condition 3(b). Owner/Operator may petition the Depart decrease the frequency of H ₂ SO ₄ perfo tests based on the results of any perfo testing. B. Comply with "Conditions Applicable to Pollutants" in Condition 3, Table 1.a.2.iii (E	

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

v. Recordkeeping:

Comply with "Conditions Applicable to Pollutants" in Condition 3, Table 1.a.2.iv (EU-80

9. [RESERVED]

10. Visible Emissions:

- i. Emission Standard: [Reference APC-90/02 APC-90/0289 (A6), APC-90/0290 (A5)]

The Owner/Operator shall not cause or allow an emission of visible air contaminants from this source to exceed an average of twenty percent (20%) opacity in excess of twenty percent (20%) opacity aggregate of more than three (3) minutes in any twenty-four (24) hour period.

ii. Operational Limitations:

Comply with "Conditions Applicable to

- iii. Compliance Method: [Reference APC-90/02 APC-90/0289 (A6), APC-90/0290 (A5)]

Compliance with the visible Emission Standard shall be demonstrated by a Continuous Monitoring System (COMS) for Boilers 80-1, 80-2, 80-3 and 80-4 in the common stack.

- iv. Monitoring/Testing: [Reference APC-90/02 APC-90/0289 (A6), APC-90/0290 (A5)]

A. The Owner/Operator shall operate and maintain the COMS for Boilers 80-1, 80-2, 80-3 and 80-4 in the common stack.

B. The COMS shall be maintained in accordance with the requirements of the permit.

vi. Reporting:

A. Comply with "Conditions Applicable to Pollutants" in Condition 3, Table 1.a.2.v (EU-80

vii. Certification:

None in addition to those listed in Condition 3 of this permit.

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

Pollutants" in Condition 3, Table 1.a.2 (EU-80)

with Performance Specification 1 in 40
Appendix "B."

- v. Recordkeeping: [Reference APC-90/0289-CONS; (Amendment 5) (RACT) - Boiler No. 2, dated 10/25/2002]
The Owner/Operator shall maintain COM calibration and audit results in accordance with Condition 3(b).

11. Acid Rain Requirements for Boiler 80-4:
[Reference Phase II Permit Application approved pursuant to U.S. EPA Acid Rain Program] The following are the requirements the Owner/Operator must follow for purposes of the Acid Rain Program i. :[RESERVED]

- A. [RESERVED]
B. [RESERVED]

- v. Compliance Method:
Compliance with the SO₂ requirements shall be based on Monitoring, Recordkeeping and Reporting Requirements.
vi. Monitoring Requirements:
A. The Owner/Operator and, to the extent applicable, designated representative shall comply with the monitoring requirements provided in 40 CFR part 75.

- viii. Reporting:
The Owner/Operator's designated representative shall submit the reports and compliance certification required under the Acid Rain Program, including under 40 CFR part 72 subpart I and 40 CFR part 75.
ix. [RESERVED]

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
ii. SO ₂ Requirements: A. The Owner/Operator shall: 1. Hold allowances for Boiler 4, as of the allowance transfer deadline, in the unit compliance subaccount (after deduction under 40 CFR 73.34(c)) not less than the annual emissions of SO ₂ for the previous calendar year from the unit, and the requirement to hold each ton of allowance constitutes a separate requirement. 2. [RESERVED] B. [RESERVED] C. [RESERVED] D. The Owner/Operator's allowances shall be deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.	B. The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and enforcement reduction requirements for SO ₂ under the Acid Rain Program. C. [RESERVED] D. The Owner/Operator shall continuously monitor and record the concentration (dry basis) of SO ₂ in RFG before it is combusted in Boiler 4. The TRS monitor shall be located downstream of the process steps which impact the composition of the RFG prior to its being combusted in Boiler 4. The TRS monitor shall conform to the QA/QC requirements recommended by the manufacturer's specifications and listed in the QA/QC Plan for the TRS monitor. The TRS monitor shall conform to Performance Specification 5 of 40 CFR Part 75, Appendix A. Relative accuracy evaluations shall be conducted using Method 15 of 40 CFR Part 75, Appendix A.	x. [RESERVED] xi. Certification Requirement: In addition to those listed in Condition 3(c)(3) of this permit, each document required to be submitted to the Department and the Administrator pursuant to the Acid Rain provisions of this permit shall be signed and certified by the Designated Representative and contain the following language: <i>"I am authorized to make this submission on behalf of the owners and operators of the affected source, and I certify under penalty of law that I have personally examined, and am familiar with, the statement of information submitted in this document and all</i>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>E. The Owner/Operator shall not deduct allow in order to comply with the requirements of paragraph (A) above prior to the calendar year in which the allowance was allocated.</p> <p>F. [RESERVED]</p> <p>G. [RESERVED]</p> <p>iii. [RESERVED]</p> <p>iv. Excess Emissions Requirements:</p> <p>A. The Owner/Operator's designated representative shall submit a proposed offset plan, as required under 40 CFR part 77 if Boiler 4 has excess emissions in any calendar year.</p> <p>B. If Boiler 4 has excess emissions in any calendar year, the Owner/Operator shall:</p> <p>1. Pay without demand the penalty required</p>	<p>E. [RESERVED]</p> <p>vii. Recordkeeping:</p> <p>Unless otherwise provided, the Owner/Operator shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended by the Department or the Administrator by written order.</p> <p>A. The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period.</p>	<p>attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."</p>

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

pay upon demand the interest on that penalty, as required by 40 CFR part 77;

2. Comply with the terms of an approved plan, as required by 40 CFR part 77.

such documents are superseded because of the submission of a new certificate of representation changing the designated representative.

- B. All emissions monitoring information, in accordance with 40 CFR part 75.
- C. Copies of all reports, compliance certificates and other submissions and all records maintained as required under the Acid Rain Program.
- D. Copies of all documents used to complete Acid Rain permit application and any other submission under the Acid Rain Program to demonstrate compliance with the requirements of the Acid Rain Program.

b. Emission Unit 82

Texaco Gasifiers 82-1a & 82-2a

Gas Coolers 82-1b & 82-2b

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

(Fugitive Emissions, No Emission Points)

1. Conditions Applicable to Multiple Pollutants:
 - i. Operational Limitations: *[Reference APC-97/0504]*
 - A. Fugitive emissions of Volatile Organic Compounds (VOC) from the gasification process shall be subject to the Leak Detection and Repair requirements in 40 CFR 60, subpart VV and requirements in Regulation 24, Section 29(k) of Delaware's Regulations Governing the Control of Air Pollution.
 - B. [RESERVED]
 - ii. Compliance Method: *[Reference APC-97/0504]*
 - A. Compliance with Operational Limitation (A) shall be based on the requirements of the Department's approved facility-wide Leak Detection and Repair (LDAR) Program that addresses the fugitive emissions of Volatile Organic Compounds.
 - B. [RESERVED]
 - iii. Monitoring/Testing: *[Reference APC-97/0504-OPERATING dated 08/06/2003]* None in addition to those listed in Condition 3(b)(1)(ii) of this permit.
 - iv. Recordkeeping: *[Reference APC-97/0504-OPERATING dated 08/06/2003]*
 - A. The Owner/Operator shall maintain all records pursuant to 40 CFR 60, Subpart VV and Regulation 24, Section 29(j). *[Reference APC-97/0504 dated 08/06/2003]*
 - v. Reporting:

The Owner/Operator shall follow the reporting requirements of 40 CFR 60, Subpart VV and Regulation 24, Section 29(k). *[Reference Regulation 24, Section 29(k), dated 11/29/1994].*
 - vi. Certification Requirement:

None in addition to those listed in Condition 3 of this permit.

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

Regulation 24, Section 29(j), dated 11/29/1994]

- B. The Owner/Operator shall maintain all records necessary for determining compliance with this permit in accordance with Section 3(b).
- C. **[RESERVED]**

2. **[RESERVED]**

c. **Emission Unit 82 (cont'd) and 50:**

Amine Acid Gas Removal System 82-3, Syngas

Flare 82-4 (Emission Points 82-1 and 82-2)

Three-Cell Linear Mechanical Draft Cooling Tower
(Emission Point 50)

- | | | |
|--|--|---|
| 1. Conditions Applicable to Multiple Pollutants: | ii. Compliance Method: <i>[Reference APC-97/0504-OP dated 08/06/2003]</i> | v. Reporting: <i>[Reference APC-97/0504-OPERATION, dated 08/06/2003]</i> |
| i. Operational Limitations: <i>[Reference APC-97/0504-OPERATION, dated 08/06/2003]</i> | Compliance shall be based on Recordkeeping and Reporting requirements and on information available to the Department which may include, but is not limited to: | The Owner/Operator shall submit semi-annual reports. The reports for the preceding semi-annual period shall be submitted to the Department by January 15th of the following year. |
| A. Syngas may be diverted to the flare during periods when process upsets, malfunctions occur, or during start-up and shutdown operations. | | |

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>trips, start-ups or shut-downs occur in the combustion turbines, gasification section, gas cooling section, the amine acid gas removal system, the slurry preparation section, the sulfur recovery unit or in the air separation</p> <p>B. The Owner/Operator shall take all necessary measures to ensure that the duration of each flaring is minimized. The total duration of clean syngas flaring during periods of process upset and malfunction shall not exceed 800 hours in any rolling twelve (12) month period.</p> <p>C. The Department reserves the right to revise the above 800-hour limit at the time of permit renewal and revise it based on actual operating history.</p> <p>D. Upon commencement of a raw syngas flaring event when one gasifier train is operating,</p>	<p>limited to, monitoring results, opacity and process operating data.</p> <p>iii. Monitoring/Testing: None in addition to those listed in Condition 3 of this permit.</p> <p>iv. Recordkeeping: <i>[Reference APC-97/0504-OPERATING 08/06/2003]</i></p> <p>A. [RESERVED]</p> <p>B. The following records shall be maintained in accordance with Condition 3(b):</p> <p>1. Record of all periods of start up, shut down and process upsets that cause syngas to be flared. Flare emissions shall be reported to the Department in accordance with the requirements of Section 304 of the</p>	<p>and July 31 of each calendar year for the semi-annual period. The summary shall include:</p> <p>A. All periods of flaring events with a description of each event including steps taken to minimize flaring duration and steps taken to prevent future occurrences in the future.</p> <p>B. During periods of flaring, the calculated raw syngas production rate, the measured clean syngas flow rate, the heat content of the syngas, the hourly coke slurry feed rate to each gasifier, the sulfur content of the coke slurry feed to each gasifier on a daily average basis and on a rolling twelve month average basis.</p> <p>C. Calculated cumulative rolling twelve (12) month flare emissions of SO₂, NO_x and CO during start-ups and shutdowns of gasification section, gas cooling section, the amine acid gas removal</p>

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination			
Emission	Methodology	Reporting/Compliance	
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification	
and/or Operational	Procedures (as applicable)		
Limitation(s)/Standard(s)	and Record Keeping)		
coke feed to the gasifier shall be reduced to 600 tons per day of coke within 2 hours. This limit is only applicable to the gasifier in the raw syngas flaring mode and does not apply to the other gasifier so long as it is producing clean syngas through the AGR. During two train operation, both trains experience a raw syngas flaring event, then coke feed to the gasifier shall be reduced to 600 tons per day within 2 hours.	Emergency Planning and Community Right-to-Know Act of 1986 and the Reporting requirements listed below. 2. Record of all durations of flaring event including: (1) the time and duration of the flaring event; (2) whether the flaring was smokeless; (3) type of syngas flared (raw; raw/clean or clean); (4) the reason(s) and/or cause(s) of the flaring event; and (5) any corrective action taken as a result of the flaring event.	system, combustion turbines, sulfur recovery system, slurry preparation system or air separation system. D. Calculated duration of syngas flaring during periods when start-ups, shutdowns, process upsets, malfunctions and safety trips occur in the combustion turbines, gasification section, gas cooling section, the amine acid gas removal system, the slurry preparation section, the sulfur recovery unit or in the air separation system on a rolling twelve (12) month basis. E. All periods when calculated PM10 emissions exceed 6.57 TPY on a rolling twelve (12) month basis	
vi. Certification Requirement: None in addition to those listed in Condition 3 of this permit.			

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>2. Particulate Emissions:</p> <p>i. Emission Standards: [Reference APC-97/0504-OPERATION, dated 08/06/2003]</p> <p>A. The Owner/Operator shall not cause or allow emission of particulate matter (PM10) in excess of 6.57 TPY from cooling tower operations on a rolling twelve (12) month basis.</p> <p>B. The Owner/Operator shall not cause or allow emissions of particulate matter in excess of 10 grains per standard cubic foot from the cooling tower operations. [Reference Regulation No. 52.1, dated 02/01/1987]</p> <p>ii. Operational Limitation: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.c.1 (EU-82).</p>	<p>iii. Compliance Method: [Reference APC-97/0504-OPERATION, dated 08/06/2003]</p> <p>A. Compliance with emission standard (A) shall be based on Monitoring, Recordkeeping and Reporting Requirements.</p> <p>B. Compliance with emission standard (B) shall be demonstrated by installing high efficiency cyclone eliminators having a vendor guaranteed efficiency factor of 0.002 percent drift loss per pound of cooling water circulation.</p> <p>iv. Monitoring/Testing: [Reference APC-97/0504-OPERATION, dated 08/06/2003]</p> <p>A. The Owner/Operator shall conduct a quarterly test of total solids using Method 2540B of Standard Methods for the Examination of Water and Wastewater.</p> <p>B. The Owner/Operator shall continuously monitor</p>	<p>vi. Reporting: [Reference APC-97/0504-OPERATION, dated 08/06/2003]</p> <p>Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.c.1.v (EU-82)</p> <p>vii. Certification Requirement:</p> <p>None in addition to those listed in Condition 3 of this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

cooling water flow rate.

- v. Recordkeeping: [Reference APC-97/0504-OPERATIO
08/06/2003]

The following records shall be maintained in
accordance with Condition 3(b):

- A. Quarterly test results of total solids using 1
2540B of Standard Methods for the Examina
of Water and Wastewater.
- B. Continuous cooling water flow rates.

3. Sulfur Dioxide (SO₂):

- i. Emission Standard: [Reference APC-97/0504-OP
dated 08/06/2003]

The Owner/Operator shall not cause or allow e
of SO₂ in excess of 709 tons from the flare duri
process upsets, planned start-ups and planned
downs of gasification section, gas cooling secti

- iii. Compliance Method: [Reference APC-97/0504-OP
dated 08/06/2003]

Compliance shall be demonstrated as follows:

A. Emissions from raw syngas flaring shall be
determined based on the coke and flux slu
to the gasifier and the percent sulfur in the
solids from the daily sample required by

- vi. Reporting:

Comply with "Conditions Applicable to Multipl
Pollutants" in Condition 3, Table 1.c.1.v (EU-82)

- vii. Certification Requirement:

None in addition to those listed in Condition 3

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>amine acid gas removal system, combustion tu sulfur recovery unit or air separation plant in a rolling twelve (12) month period.</p> <p>ii. Operational Limitations: Comply with "Conditio Applicable to Multiple Pollutants" in Condition Table 1.c.1 (EU-82).</p>	<p>Monitoring Testing requirement (A).</p> <p>B. Emissions from clean syngas flaring shall b determined from the flow and sulfur conte the clean syngas as measured by the TRS analyzer.</p> <p>iv. Monitoring/Testing: [Reference APC-97/0504-OPE dated 08/06/2003]</p> <p>A. The Owner/Operator shall monitor the sulf content in the coke slurry on a daily basis raw syngas is diverted to this flare.</p> <p>B. The Owner/Operator shall use the Departm approved monitoring protocol to determin sulfur content in the coke slurry fed to eac gasifier. The monitoring protocol shall be to determine the rate of sulfur entering the gasifier using daily sampling and analysis f</p>	<p>this permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination	
	Methodology	Reporting/Compliance
	(Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Certification

sulfur content of the coke slurry.

- v. Recordkeeping: [Reference APC-97/0504-OPERATIC
08/06/2003]

The following records shall be maintained for a
flaring events in accordance with Condition 3(b)

- A. Hourly raw and clean syngas production rate
from each gasifier.
- B. Hourly coke and flux slurry rates to each g
- C. Sulfur content in the coke slurry sampled a
analyzed daily when raw syngas is diverted
flare.
- D. 24-hour rolling average and twelve (12) m
rolling average sulfur content in the clean
- E. Cumulative rolling twelve (12) month flare
emissions.
- F. Record of all durations of raw syngas flarin

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	
events.		
4. NO _x Emissions:	Compliance Method: [Reference Regulation No. 30 Sect	Reporting:
Emission Standard: [Reference: Air Quality Construction	6(a)(3), dated 12/11/2000]	None in addition to those listed in Condition
Application, dated May 1997 and Letter with spreadsheet attach	Compliance with the Emission Standard shall be	3(c)(2) of this permit.
from Mike Gritz to Ravi Rangan dated July 28, 2003]	based on Monitoring and Recordkeeping	
The Owner/Operator shall not cause or allow the	requirements.	Certification:
emission of NO _x in excess of 28 tons from the		None in addition to those listed in Condition
flare during process upsets, planned start-ups and	Monitoring/Testing: [Reference Regulation No. 30 Secti	3(c)(3) of this permit.
planned shut downs of gasification section, gas	6(a)(3)(i)(B), dated 12/11/2000]	
cooling section, amine acid gas removal system,	The Owner/Operator shall continuously monitor	
combustion turbines, sulfur recovery unit or air	the type and the duration of each type of fuel	
separation plant in any rolling twelve (12) month	combusted in the flare.	
period.		
Operational Limitations:	Recordkeeping: [Reference Regulation No. 30 Section 6(a	
Comply with "Conditions Applicable to Multiple	dated 12/11/2000]	
Pollutants" in Condition 3, Table 1.c.1 (EU-82).	The Owner/Operator shall maintain the following	
	records in accordance with Condition 3(b):	
	A. Amount of raw and clean syngas flared.	

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	
<p>B. Continuous record of the hours that each fuel combusted.</p> <p>C. Twelve (12) month running totals calculated each month for the previous calendar month or amount and duration of each fuel type.</p>		
CO Emissions:	Compliance Method: [Reference Regulation No. 30 Section 6(a)(3), dated 12/11/2000]	Reporting:
Emission Standard: [Reference: Air Quality Construction Application, dated May 1997 and Letter with spreadsheet attachment from Mike Gritz to Ravi Rangan dated July 26]	Compliance with the Emission Standard shall be based on Monitoring and Recordkeeping requirements.	None in addition to those listed in Condition 3(c)(2) of this permit.
The Owner/Operator shall not cause or allow the emission of CO in excess of 1,117 tons from the flare during process upsets, planned start-ups and planned shut downs of gasification section, gas cooling section, amine acid gas removal system, combustion turbines, sulfur recovery unit or air separation plant in any rolling twelve (12) month period.	Monitoring/Testing: [Reference Regulation No. 30 Section 6(a)(3)(i)(B), dated 12/11/2000]	Certification:
	The Owner/Operator shall continuously monitor the type and the duration of each type of fuel combusted in the flare.	None in addition to those listed in Condition 3(c)(3) of this permit.

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	
Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.c.1 (EU-82).	Recordkeeping: <i>[Reference Regulation No. 30 Section 6(a) dated 12/11/2000]</i> The Owner/Operator shall maintain the following records in accordance with Condition 3(b): A. Amount of raw and clean syngas flared. B. Continuous record of the hours that each fuel combusted. C. Twelve (12) month running totals calculated each month for the previous calendar month or amount and duration of each fuel type.	
	Compliance Method: <i>[Reference APC-97/0504-OPERATION dated 08/06/2003]</i> Compliance with the visible Emission Standard shall be determined by the Monitoring/Testing requirement.	Reporting: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.c.1.v (EU-82). Certification: None in addition to those listed in Condition 3(c)(3) of this permit.
Visible Emissions: Emission Standard: <i>[Reference APC-97/0504-OPERATION dated 08/06/2003]</i> Emissions from the flares shall be smokeless except for periods not to exceed a five (5) minutes during any two (2) consecutive	Monitoring/Testing: <i>[Reference APC-97/0504-OPERATION dated 08/06/2003]</i>	

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
Operational Limitations:		
Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.c.1 (EU-82).		
08/06/2003]		
Compliance with the visible Emission Standard shall be determined by Reference Method 22 of Appendix "A" in 40 CFR 60.		
Recordkeeping:		
Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.c.1.iv (EU-82).		
<u>Emission Unit 84:</u>		
Combined Cycle Units 84-1 and 84-2 (Emission Points 84-1 and 84-2)		
Conditions Applicable to Multiple Pollutants:	Compliance Method: [Reference APC-97/0503 (A3)]	Reporting: [Reference APC-97/0503 (A3)]
i. Emission Standards: [Reference APC-97/0503 (A3)]	A. Compliance with the Emission Standards (A) and (NSPS limits) shall be based on the type of fuel combusted and/or compliance with the most stringent emission limits specified for individual pollutants for these units.	A. The Owner/Operator shall submit the following semi-annual excess emissions reports. These reports for the preceding semi-annual period shall be submitted to the Department by July 31 and July 31 of each calendar year with
The Owner/Operator shall not cause or allow emissions from the CCUs that exceed the Standards of Performance for New Stationary Gas Turbines specified in 40 CFR 60 Subpart GG. [Reference 40 CFR 60 Subpart GG dated 09/10/1979 for SO ₂ and		

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p><i>10/17/2000 for NO_x, and Regulation No. 20 Section 11/27/1985]</i> B. The Owner/Operator shall cause or allow emissions from the duct burners that exceed the Standards of Performance for Electric Utility Steam Generating Units specified in 40 CFR 60 Subpart Db. <i>[Reference 40 CFR Subpart Db dated 10/17/2000 for SO₂ and particulate matter and dated 08/14/2001 for NO_x, and Regulation No. 26 dated 12/07/1988]</i></p> <p>C. The Department reserves the right to establish emission limitations and/or additional controls for specific compounds based on the results of the stack tests required under the Monitoring/Testing requirements.</p> <p>D. Comply with "Combined Limits" in Condition Table 1.f</p> <p>Operational Limitations: <i>[Reference APC-97/0503 (A3)]</i></p>	<p>B. Compliance with the Operational Limitations (C) (pertaining to type and amount of fuel burned) shall be based on record keeping requirements.</p> <p>C. Compliance with Operational Limitation (B) (pertaining to sulfur content of LSDF) shall be based on monitoring/testing requirements.</p> <p>D. [RESERVED]</p> <p>E. Compliance with the Operational Limitation (F) shall be based on record keeping requirements.</p> <p>F. Comply with "Combined Limits" in Condition Table 1.f</p> <p>Monitoring/Testing: <i>[Reference APC-97/0503 (A3)]</i></p> <p>A. LSDF sulfur content shall be determined by ASTM D-2622 or other federal or Department approved method.</p>	<p>summary of all excess emissions for the semi-annual period. The summary shall include::</p> <ol style="list-style-type: none"> 1. The name and location of the facility; 2. The subject sources that caused the excess emissions; 3. The time and date of the first observation of excess emissions; 4. The cause and expected duration of the excess emissions; 5. The estimated amount of emissions (expressed in the units of applicable emission limitations) and 6. The proposed corrective actions and schedule to correct the conditions causing the excess emissions. 7. LSDF fuel usage by each CCU exceeding

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
A. When syngas is not fired in the combustion chamber of the CCUs, only low-sulfur diesel fuel (LSDF) may be fired in its place. The combined utilization of LSDF for both CCUs may not exceed 11,117,452 gallons in any twelve (12) consecutive months.	B. [RESERVED] C. Comply with "Combined Limits" in Condition 3(b) of Table 1.f Recordkeeping: [Reference APC-97/0503 (A3)] A. [RESERVED]	11,117,452 gallons in any twelve (12) consecutive months, and natural gas usage in the duct burners exceeding 930,080 mmBtu in any twelve (12) consecutive months.
B. The sulfur content in the LSDF oil shall not exceed 0.05 weight percent.	B. The following records shall be maintained in accordance with Condition 3(b): 1. Record of all operating hours of each CCU showing clearly the hours of operation for each different fuel types, i.e., hours of operation with syngas and LSDF, and the amount of each fuel type consumed.	8. [RESERVED] 9. [RESERVED] 10. All periods when the LSDF sulfur content exceeds 0.05 weight percent.
C. Only natural gas may be fired in the duct burners of the HRSGs. The combined utilization of natural gas shall not exceed 930,080 mmBtu/year in any twelve consecutive months.	2. Record of all operating hours of the duct burners of each HRSG showing clearly the hours of operation and the amount of natural gas consumed.	11. [RESERVED] 12. [RESERVED] 13. [RESERVED]
D. [RESERVED]		D. The Owner/Operator shall notify the Department of Environmental Protection in writing prior to making any material change which cause these units to fall under the jurisdiction of the Authority of Title IV of the Clean Air Act.
E. [RESERVED]		
F. The periods of startups, shutdowns and fuel transitions (syngas to LSDF and LSDF to syngas) shall not exceed 2 hours in duration.		E. Comply with "Combined Limits" in Condition 3(b) of Table 1.f

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
G. Comply with "Combined Limits" in Condition Table 1.f	<u>3.</u> [RESERVED]	Table 1.f
	<u>4.</u> [RESERVED]	
	<u>5.</u> [RESERVED]	
	<u>6.</u> The weight percent sulfur content in LSDF.	Certification Requirement:
	<u>7.</u> [RESERVED]	None in addition to those listed in Condition
	Comply with "Combined Limits" in Condition 3, T	3(c)(3) of this permit.
Particulate Emissions:		
Emission Standards: [Reference APC-97/0503 (A3)]		
A. [RESERVED]		
B. PM10 emissions including H ₂ SO ₄ shall not exceed following limits:		
<u>1.</u> 0.0426 lb/mmBtu heat input when firing sy CCUs.	B. Compliance with TSP Emission Standards shall demonstrated using stack test based emission factors and fuel flow rates for the CCUs at burners.	Reporting: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.d.1.vi (EU-84). Certification Requirement: None in addition to those listed in Condition 3(c)(3) of this permit.
<u>2.</u> 0.0431 lb/mmBtu when firing syngas in the and natural gas in the duct burners.		

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
0.0090 lb/mmBtu when firing LSDF in the CCUs. 0.0093 lb/mmBtu when firing LSDF CCUs and natural gas in the duct burners.	C. The Owner/Operator may use stack test results obtained while the CCUs are operating with duct burners to demonstrate compliance with respective non-duct burner emission standards for PM10 and TSP by subtracting the heat input of the duct burners.	
C. [RESERVED]		
D. TSP emissions shall not exceed the following limits:		
1. 0.0076 lb/mmBtu heat input when firing syngas in the CCUs.		
2. 0.0081 lb/mmBtu when firing syngas in the duct burners and natural gas in the duct burners.	Monitoring/Testing: A. The Owner/Operator shall conduct the following tests annually, in accordance with Condition 3, Table 1.d.1 (EU-84):	
3. 0.0090 lb/mmBtu when firing LSDF in the CCUs.	1. EPA Reference Method 5 for TSP.	
4. 0.0093 lb/mmBtu when firing LSDF in the CCUs and natural gas in the duct burners.	2. EPA Reference Method 5B/202 for PM10, including H ₂ SO ₄ .	
E. [RESERVED]	3. If the Owner/Operator conducts stack testing while the duct burners in operation, the Owner/Operator shall calculate the emission rate for operation without duct burners.	
Operational Limitation: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.d.1 (EU-84).		

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination	
	Methodology	Reporting/Compliance
	(Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Certification

operation by subtracting the heat input
contributed by the duct burners.

4. The Owner/Operator may petition the
Department to decrease the frequency
TSP or PM10 performance tests based on
results of any performance testing.

- B. Comply with "Conditions Applicable to Multiple
Pollutants" in Condition 3, Table 1.d.1.iv (I

Recordkeeping:

Comply with "Conditions Applicable to Multiple
Pollutants" in Condition 3, Table 1.d.1.v (EU-84).

[RESERVED]

Nitrogen Oxides (NO_x):

Emission Standards: [Reference APC-97/0503 (A3)]

Compliance Method: [Reference APC-97/0503 (A3)]

- A. Compliance with the NO_x Emission Standards

Reporting:

NO_x authorized account representative of a NO_x

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
A. [RESERVED]	based on Continuous Emissions Monitoring System (CEMS) for NO _x and O ₂ .	Budget source and each NO _x Budget unit at the
B. The Owner/Operator shall not cause or allow the emission of NO _x in excess of 360 TPY from CCU.	B. Compliance with the Operational Limitations shall be based on Recordkeeping requirements.	source shall submit the reports and compliance certifications required under the NO _x Budget Trading Program, including those under Regulation No. 39 Sections 7, 8, and 11.
C. The NO _x emissions from each CCU shall not exceed the following levels on an hourly basis:	Monitoring/Testing: [Reference APC-97/0503 (A3)]	
1. 15 ppmvd @ 15% O ₂ when CCU burns syngas without duct firing.	A. The Owner/Operator shall operate and maintain NO _x and O ₂ CEMS for the CCUs.	Certification Requirement: [Reference: Permit: AQM-00 dated 05/01/2002 and Regulation No. 39 Section 6(d) dated 12/11/2000]
2. 18 ppmvd @ 15% O ₂ when CCU burns syngas with duct firing.	B. The CEMS shall satisfy the applicable Performance Specifications in 40 CFR Part 75, Appendix A, and the Quality Assurance/Quality Control (QA/QC) procedures for NO _x CEMS in accordance with 40 CFR Part 75, Appendix B.	In addition to those listed in Condition 3(c)(3) of this permit, each document submitted to the Department and the Administrator pursuant to the NO _x Budget requirements shall be signed and certified by the Authorized Account Representative and shall contain the following language:
3. 42 ppmvd @ 15% O ₂ when CCU burns LSD without duct firing.		
39 ppmvd @ 15% O ₂ when CCU burns LSDF with duct firing.	D. [RESERVED]	
D. The NO _x emission rates from the CCUs shall not exceed 390 ppmvd @ 15% during startups, shutdowns and fuel transitions (syngas to LSDF and LSDF to syngas).	Recordkeeping: [Reference APC-97/0503 (A3)]	
	A. The Owner/Operator shall keep NO _x CEMS data for a minimum of 3 years.	"I am authorized to make this submission on

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
E. Except during startup, shutdown and fuel transitions, the Owner/Operator shall not cause or allow the emission of NO _x in excess of the following on a one (1) hour average: 1. 42 ppm @ 15% O ₂ when combusting gas. 2. 88 ppm @ 15% O ₂ when combusting LSDF [Reference Regulation No. 12 Section 3.5, dated 11/24/1997, as amended (RACT)]	B. Unless otherwise provided, the owners and operators of the NO _x Budget source and each NO _x Budget unit at the source shall keep on site at the source each of the following documents in accordance with Condition 3(b). This period may be extended for cause, at any time prior to the expiration of 5 years, in writing by the permitting authority or the Administrator. 1. The account certificate of representation under Regulation No. 39 Section 6 and all supporting documents that demonstrate the truth and accuracy of the statements in the account certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5 year period.	<i>on behalf of the owners and operators of the NO_x Budget sources or NO_x Budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."</i>
F. During the ozone season (May 1 through September 30 of 2008), the Owner/Operator shall hold an account and/or its overdraft account as of the NO _x allowance transfer deadline for each control period, a quantity of NO _x allowance available for deduction that is equal to or greater than the total NO _x emissions from each C that control period. [Reference: Permit: <u>AQM-003/00016-I</u> dated 05/01/2002 and Regulation No. 39 Section 2(a) dated 12/11/00 (NO _x Budget Transfer)]		

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	
<i>Program]]</i>		
Operational Limitations: <i>[Reference APC-97/0503 (A3)]</i>		
A. NOx control shall be achieved by injecting nitro gas into the combustion chambers of the when burning syngas and by steam inject when burning LSDF.	<u>2</u>	such documents are superseded beca the submission of a new account cert of representation under Regulation N Section 6 changing the NOx authoriza account representative.
B. Except during start ups, shut downs and fuel tr (syngas to LSDF and LSDF to syngas), the shall not be operated unless the NOx con measure described in Operational Limit (A is operating properly.	<u>3</u>	All emissions monitoring information, in accordance with Regulation No. 39 Se Copies of all reports, compliance certificati and other submissions and all record: or required under the NOx Budget Tr Program.
	<u>4</u>	Copies of all documents used to complete Budget permit application and any ot submission under the NOx Budget Tr Program or to demonstrate complian the requirements of the NOx Budget Program.

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

5 Records demonstrating that any unit exempted under Regulation No. 39 Section 3(b) of this regulation is retired. The owner(s) or operator(s) of that unit bears the burden of proof that the unit is retired.

[Reference: Permit: AQM-003/00016-I dated 05/01/2002 as amended by Regulation No. 39 Sections 7, 8 and 11 dated 12/11/00]

Carbon Monoxide (CO):

Emission Standards: [Reference APC-97/0503 (A3)]

A. [RESERVED]

B. CO emissions on an hourly basis shall not exceed the following limits:

1. 0.051 lb/mmBtu heat input when firing syngas in the CCUs without duct burners.

2. 0.069 lb/mmBtu when firing syngas in the duct burners and natural gas in the duct burners.

Compliance Method: [Reference APC-97/0503 (A3)]

Compliance with the CO Emission Standards shall be based on the following methods:

A.. CEMs for the CCUs.

B. [RESERVED]

C. [RESERVED]

Monitoring/Testing: [Reference APC-97/0503 (A3)]

A. The Owner/Operator shall operate and maintain

Reporting:

Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.d.1.vi (EU-84).

Certification Requirement:

None in addition to those listed in Condition 3(c)(3) of this permit.

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
3. 0.048 lb/mmBtu when firing LSDF in the CC without duct burners.	CEMS for the CCUs. B. [RESERVED]	
4. 0.067 lb/mmBtu when firing LSDF in the CC natural gas in the duct burners.	C. The CO CEMS shall satisfy the applicable Performance Specifications in 40 CFR part 60, Appendix A. The QA/QC procedures for the CO CEMS shall be established in accordance with the procedures established in 40 CFR Part 60 Appendix "F."	
C. The above lb/mmBtu limits shall not apply during periods of startup, shutdown and fuel transition (syngas to LSDF and LSDF to syngas). The Owner/Operator shall follow good air pollution control practices to minimize CO emissions during these periods.	Recordkeeping: The Owner/Operator shall maintain CO CEMS data, calibration and audit results in accordance with Condition 3(b).	
Operational Limitations: [Reference APC-97/0503 (A3)] Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.d.1 (EU-84).		
Volatile Organic Compounds (VOC): Emission Standards: [Reference APC-97/0503 (A3)]	Compliance Method: [Reference APC-97/0503 (A3)]	Reporting:
A. [RESERVED]	A. Compliance with the VOC Emission Standards demonstrated using stack test based emissions.	Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.d.1.vi (EU-84).

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
B. VOC emissions shall not exceed the following: 1. 0.0011 lb/mmBtu heat input when firing syngas in the CCUs without duct burners. 2. 0.0048 lb/mmBtu when firing syngas in the duct and natural gas in the duct burners. 3. 0.0082 lb/mmBtu when firing LSDF in the CCUs without duct burners. 4. 0.0108 lb/mmBtu when firing LSDF in the CCUs and natural gas in the duct burners.	B. The Owner/Operator may use stack test results obtained while the CCUs are operating with duct burners to demonstrate compliance with respective non-duct burner emission standards for VOC by subtracting the heat input of duct burners.	Certification: None in addition to those listed in Condition 3(c)(3) of this permit.
Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.d.1 (EU-84).	Monitoring/Testing: A. The Owner/Operator shall conduct annually an annual Reference Method 25 A stack test for VOC emissions in accordance with Condition 3(b). The Owner/Operator may petition the Department to decrease the frequency of VOC performance tests based on the results of any performance testing.	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination	
	Methodology	Reporting/Compliance
	(Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Certification

- B. If the Owner/Operator conducts stack testing \ duct burners in operation, the Owner/Op shall calculate the emission rate for opera without duct burner operation by subtrac heat input contributed by the duct burner
- C. Comply with "Conditions Applicable to Multipl Pollutants" in Condition 3, Table 1.d.1.iv (I

Recordkeeping:

Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.d.1.v (EU-84).

[RESERVED]

[RESERVED]

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
Visible Emissions: Emission Standard: [Reference APC-97/0503 (A3)] The Owner/Operator shall not cause or allow the emission of visible air contaminants from the CCUs in excess of twenty percent (20%) opacity for an aggregate of more than three (3) minutes in any one (1) hour period, or more than fifteen (15) minutes in any twenty-four (24) hour period.	Compliance Method: [Reference APC-97/0503 (A3)] Compliance with the visible Emission Standard shall be based on Monitoring/Testing requirements and on information available to the Department which may include, but is not limited to, monitoring results, opacity and process operating data.	Reporting: The Owner/Operator shall provide quarterly reports of all periods of opacity exceedances in the quarterly excess emission report required by Condition 3, Table 1,d.1.vi.C.
Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.d.1 (EU-84).	Monitoring/Testing: [Reference APC-97/0503 (A3)] The opacity of visible emissions shall be verified quarterly by EPA Reference Method No. 9 in accordance with Section 1.5 (c) of Regulation No. 20 for any calendar quarter during which No. 2 fuel oil is fired in the combustion chambers of the CCUs, unless the Owner/Operator can demonstrate that verification for that calendar quarter was not practicable due to the length of	Certification: None in addition to those listed in Condition 3(c)(3) of this permit.

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination	
	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification

time fuel oil was fired in the combustion chambers or other issues demonstrating impracticability. The Owner/Operator shall, however, perform at least one Method No. 9 verification during each calendar year. If opacity readings over 20% are recorded at any time, the Department reserves the right to require the Owner/Operator to conduct more frequent visible emissions observations and may include the requirement to install a COMS.

Recordkeeping:

In addition to complying with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.d.1.v (EU-84), the Owner/Operator shall keep the opacity readings recorded in accordance with the Monitoring/Testing requirements when

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

LSDF is fired in the combustion chambers of the CCUs.

Facility-Wide: The following permit conditions are applicable to all emission units listed in Condition No. 1 of this permit and any insignificant activities listed in Regulation No. 30 Appendix A operated by the Owner/Operator.

Conditions applicable to Multiple Pollutants:

Operational Limitations:

- A. At all times, including periods of startup, shutdown, and malfunction, the owner or operator shall maintain and operate the equipment and processes covered by this Permit, including structural and mechanical components and associated air pollution control equipment in a manner consistent with good air pollution

Compliance Method:

Compliance shall be based on information available to the Department which may include, but is not limited to, monitoring/testing results, opacity and process operating data.

Monitoring & Testing:

None in addition to those listed in Condition 3(b)(1)(ii) of this permit.

Reporting Requirement:

None in addition to those listed in Condition 3(c)(2)(ii)(B) of this permit.

Certification Requirement:

None in addition to those listed in Condition 3(c)(3) of this permit.

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

control practice for minimizing emissions.

B. [RESERVED]

Recordkeeping:

None in addition to those listed in Condition 3(b)(2) of this permit.

Odor:

Emission Standard: [Reference APC-97/0504]

Odors from this source shall not be detectable beyond the plant property lines in quantities which cause a condition of air pollution as “air pollution” is defined in Regulation 1 of Delaware’s Regulations Governing the Control of Air

Pollution. [State Enforceable Only]

Compliance Method: [Reference Regulation No. 30 Sect dated 12/11/2000]

Compliance with the emission standard of this condition shall be demonstrated in accordance with the monitoring/testing and record keeping requirements of this condition and based on information available to the Department which may include, but is not limited to, monitoring results and process operating data.

Reporting Requirement:

All records indicating exceedance of the standard in accordance with Condition 3(c)(2) of this permit

Certification Requirement:

None in addition to those listed in Condition 3(c)(3) of this permit.

Operational Limitations:

None in addition to those listed in Condition 3(a) of this permit.

Monitoring & Testing: [Reference Regulation No. 19 Se dated 2/1/81]

Includes but is not limited to scentometer tests,

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
air quality monitoring, and affidavits from affected citizens and investigators.		
Recordkeeping: <i>[Reference Regulation No. 30 Section 6(a) dated 12/11/2000]</i>		
Records of all monitoring/testing shall be maintained on site in accordance with Condition 3(b).		
Visible Emissions:	Compliance Method: <i>[Reference Regulation No. 14 Sect dated 07/17/1984 and Regulation No. 30 Section 6(a)(3) 12/11/2000]</i>	Reporting:
Emission Standard: <i>[Reference Regulation No. 14 Section dated 07/17/1984]</i>		All records indicating exceedances of the standard in accordance with Condition 3(c)(2) of this permit.
The Owner/Operator shall not cause or allow the emission of visible air contaminants and/or smoke from a stationary or mobile source, the shade or appearance of which is greater than twenty (20%) percent opacity for an aggregate of more than three (3) minutes in any one (1) hour or more than	Except for units where compliance with the visible emission standard is required to be demonstrated by a COMS or where compliance is otherwise specified within this permit, compliance with the visible Emission Standard of this condition shall be demonstrated in accordance with Subsection	Certification: None in addition to those listed in Condition 3(c)(3) of this permit.

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination	
	Methodology	Reporting/Compliance
	(Monitoring/Testing, QA/QC	Certification
	Procedures (as applicable) and Record Keeping)	
fifteen (15) minutes in any twenty-four (24) hour period.	1.5(c) of Regulation No. 20 and the record keeping requirements of this condition.	
Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.e.1 (Facility-wide).	Monitoring/Testing: A. [RESERVED] B. For sources not subject to a specific visible emission requirement within this permit, the Owner/Operator shall conduct weekly qualitative observations to determine the presence of visible emissions. <ol style="list-style-type: none">If visible emissions are observed, the Owner/Operator shall take corrective action and/or determine compliance in accordance with subparagraph 3 below.If no visible emissions are observed or are within permitted limits, no further action is required.	

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination	
	Methodology	Reporting/Compliance
	(Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Certification

3. If required under subparagraph 1 above, the
Owner/Operator shall, in accordance
Regulation No. 20 Section 1.5, conduct
observations at fifteen second intervals
period of not less than one hour except
the observations may be discontinued
whenever a violation of the standard
recorded. The additional procedure
qualification and testing to be used for
visually determining the opacity shall
those specified in Section 2 and 3 (except
Section 2.5 and the second sentence
Section 2.4) of reference Method 9 set
in Appendix A, 40 CFR Part 60 revised
1982..

[Reference Regulation No. 30 Section 6(a)(3) dated 12/11/

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	

Recordkeeping: [Reference Regulation No. 30 Section 6(a)
dated 12/11/2000]

Observation records shall be maintained on site in
accordance with Condition 3(b).

Combined Limits: The following permit conditions
are applicable to multiple emission units as noted
below:

**Conditions Applicable to Multiple Pollutants:
Operational Limitations**

During single train operation of the gasifier, the sulfur
content in the clean syngas shall not exceed 1
ppmvd on a 24-hour rolling average basis and
ppmvd on a twelve month rolling average basis
measured by the TRS analyzer. Within 60 days
achieving sustained two train operation at the
rate, the Owner/Operator shall propose for the
Department's approval a short term and annual
limits for two gasifier train operations. In the
period, during two train operations, the sulfur

Compliance Method: [Reference APC-90/0288 (A5), APC-90/
(A6), APC-90/0290 (A5) and APC-97/0503 (A3)]

Compliance with Operational Limitation (A) shall be
on the TRS CEMS

Compliance with Operational Limitation (C) shall be
on recordkeeping.

Monitoring/Testing [Reference APC-90/0288 (A5), APC-90/
(A6), APC-90/0290 (A5) and APC-97/0503 (A3)]

The Owner/Operator shall continuously monitor and
record the concentration (dry basis) of TRS in syngas
before it is combusted in any fuel burning device.

Reporting: [Reference APC-90/0288 (A5), APC-90/0289 (A
APC-90/0290 (A5) and APC-97/0503 (A3)]

All stack test emission testing and monitor certification
testing shall be performed in accordance with Section
3(b)(1)(iii).

The Owner/Operator shall submit the following
semi-annual excess emissions reports. The report for
the preceding semi-annual period shall be submitted to
the Department by January 31 and July 31 of each
calendar year with a summary of all excess emissions
the semi-annual period. The summary shall include
The name and location of the facility;

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	
<p>in the clean syngas shall not exceed 830 ppm 24 hour rolling average basis. [Reference APC-(A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97-(A3)]</p> <p>[RESERVED]</p> <p>The Owner/Operator shall not cause or allow the use of any fuel having a sulfur content greater than 1.0 % weight and any distillate fuel oil having a sulfur content greater than 0.3 % by weight in any fuel burning equipment. [Reference Regulation No. 8 Sections 2.2, dated 05/09/1985]</p>	<p>TRS monitor shall be located downstream of all process steps which impact the composition of syngas prior to being combusted in any fuel burning device. The monitor shall conform to the QA/QC requirements recommended by the manufacturer's specifications listed in the QA/QC Plan for the TRS monitor. The monitor shall conform to Performance Specification 40 CFR Part 60, Appendix "B." Relative accuracy evaluations shall be conducted using Method 15 of 40 CFR Part 60, Appendix "A." [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</p> <p>[RESERVED]</p> <p>Recordkeeping: [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</p> <p>The Owner/Operator shall maintain all records necessary for determining compliance with this permit in accordance with Condition 3.b of this Permit.</p> <p>The following records shall be maintained:</p> <p>All 24-hour rolling and twelve (12) month rolling averages of sulfur content in clean syngas as measured by the TRS analyzer.</p>	<p>The subject sources that caused the excess emissions; The time and date of the first observation of the excess emissions; The cause and expected duration of the excess emissions; The estimated amount of emissions (expressed in units of applicable emission limitation); The proposed corrective actions and schedule to correct the conditions causing the excess emissions. All periods during single train operation when the 24-hour rolling average sulfur content in the syngas exceeds 830 ppmv (dry) and the twelve month rolling average sulfur content in the syngas exceeds 480 ppmv (dry) as measured by the TRS analyzer; and All periods during two train operation when the 24-hour rolling average sulfur content in the syngas exceeds 830 ppmv (dry) as measured by the TRS analyzer.</p> <p>The Owner/Operator shall submit the following quarterly CEMS reports by January 31, April 30, July 31 and October 31 of each calendar year:</p> <p>1. [RESERVED] 1.</p> <p>The SO₂ and NO_x CEMS reports shall include a report of excess emissions, quarterly audit</p>

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	
articulate Emissions: Emission Standards: [Reference APC-90/0288 (A5), APC-90/0290 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)] The Owner/Operator shall not cause or allow the emission of particulate matter (PM10) in excess of 311 lb/MMBtu from the CCUs (Emission Units 84-1 and 84-2) and Boilers 80-1, 80-2 and 80-3, combined (including H ₂ SO ₄ mist) on a rolling twelve (12) month basis. The Owner/Operator shall not cause or allow the emission of total suspended particulate (TSP) in excess of 78.7 TPY from the CCUs (Emission Units 84-1 and 84-2) and Boilers 80-1, 80-2 and 80-3, combined. The Owner/Operator shall not cause or allow the emission of particulate matter in excess of 0.3 lb/MMBtu maximum two (2) hour average, from any fuel burning equipment. [Reference Regulation No. 410.2.1, dated 2/1/1981] Operational Limitation: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.	Compliance Method [Reference APC-90/0288 (A5), APC-90/0290 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)] Compliance with PM10 Emission Standards shall be demonstrated using stack test based emission factors and fuel flow rates for the CCUs, duct burners and boilers. Compliance with TSP Emission Standards shall be demonstrated using stack test based emission factors and fuel flow rates for the CCUs, duct burners and boilers. Monitoring/Testing: The Owner/Operator shall conduct the following stack tests annually, in accordance with Condition 3(c)(3) of the permit: 1. EPA Reference Method 5 for TSP. 2. EPA Reference Method 5B/202 for PM10, including H ₂ SO ₄ . 3. The Owner/Operator may petition the Department to decrease the frequency of TSP or performance tests based on the results of any performance testing. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.iii. Recordkeeping:	Reporting: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.v. Certification Requirement: Comply with "Conditions Applicable to Multiple Pollutants" in addition to those listed in Condition 3(c)(3) of the permit. results, data capture for the period and duration of out of control periods.

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	
<p>Sulfur Dioxide (SO₂):</p> <p>Emission Standards: [Reference APC-90/0288 (A5), APC- (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</p> <p>The Owner/Operator shall not cause or allow the e of SO₂ in excess of 2079.7 TPY from the CC (Emission Units 84-1 and 84-2) and Boilers 8 80-2 and 80-3, combined.</p> <p>Operational Limitations</p> <p>Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2 .</p>	<p>Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2. iv .</p> <p>Compliance Method: [Reference APC-90/0288 (A5), APC- (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</p> <p>Compliance with the SO₂ Emission Standards shall be based on Continuous Emissions Monitoring System (CEMS) for Boiler 80-3 and the CCUs and the H₂S Continuous Monitoring System (CMS) for Boilers 80-1 and 80-2.</p> <p>Monitoring/Testing: [Reference APC-90/0288 (A5), APC- (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</p> <p>The Owner/Operator shall operate and maintain SO₂ CEMS for Boiler 80-3 and the CCUs and H₂S for Boilers 80-1 and 80-2.</p> <p>The SO₂ CEMS for Boiler 80-3 and the CCUs shall conform to Performance Specification 2 of 40 CFR Appendix "B," and the Quality Assurance/Quality (QA/QC) procedures shall be established in accordance with 40 CFR 60, Appendix "F."v. Recordkeeping [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</p> <p>The Owner/Operator shall maintain SO₂ CEMS data calibration and audit results in accordance with Condition 3(b).</p> <p>Compliance Method: [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</p>	<p>Reporting:</p> <p>Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.v .</p> <p>Certification Requirement:</p> <p>Comply with "Conditions Applicable to Multiple Pollutants" in addition to those listed in condition 3(c)(3) of this permit.</p>
<p>Nitrogen Oxides (NO_x):</p> <p>Emission Standards: [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</p>	<p>Compliance Method: [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</p>	<p>Reporting:</p> <p>Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.v .</p>

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	
<p>(A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</p> <p>The Owner/Operator shall not cause or allow the e of NOx in excess of 1,261 TPY from the CCL (Emission Units 84-1 and 84-2) and Boilers 8 80-2 and 80-3, combined on a rolling twelve (month basis.</p> <p>Operational Limitations:</p> <p>ply with "Conditions Applicable to Multiple Pollutar Condition 3, Table 1.a.2 .</p> <p>Carbon Monoxide (CO):</p> <p>Emission Standards: [Reference APC-90/0288 (A5), APC- (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</p> <p>The Owner/Operator shall not cause or allow the e of CO in excess of 470.2 TPY from the CCUs (Emission Units 84-1 and 84-2) and Boilers 8</p>	<p>Compliance with the NOx Emission Standards sh based on Continuous Emissions Monitoring Syster (CEMS) for NOx and CO₂ for Boilers 80-1, 80-2 an and the CCUs.</p> <p>Monitoring/Testing: [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</p> <p>The Owner/Operator shall operate and maintain and CO₂ or O₂ CEMS for the boilers and the respectively.</p> <p>The NOx and CO₂/O₂ CEMS for boilers shall cor the applicable Performance Specifications ir CFR 75, Appendix "A". The QA/QC procedu NOx and CO₂/O₂ CEMS shall be establisher accordance with 40 CFR 75, Appendix "B."</p> <p>Recordkeeping: [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-9 (A3)]</p> <p>The Owner/Operator shall maintain NOx CEMS d calibration and audit results in accordance with Co 3(b).</p> <p>Compliance Method: [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</p> <p>pliance with the CO Emission Standards shall be demonstrated by the following methods:</p> <p>Stack test based emissions factor and fuel flow rat Boilers 80-1 and 80-3.</p>	<p>Condition 3, Table 1.a.2.v. .</p> <p>Certification Requirement: None, in addition to th listed in Condition 3(c)(3) of this permit.</p> <p>Reporting:</p> <p>ply with "Conditions Applicable to Multiple Pollutar Condition 3, Table 1.a.2.v .</p> <p>Certification Requirement:</p>

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination Methodology (Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Reporting/Compliance Certification
<p>80-2 and 80-3, combined on a rolling twelve (12) month basis.</p> <p>Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.</p>	<p>CEMS for Boiler 80-2 and the CCUs.</p> <p>Monitoring/Testing: <i>[Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</i> The Owner/Operator shall operate and maintain CO CEMS for Boiler 80-2 and the CCUs. The QA/QC procedures for the CO CEMS shall be established in accordance with the procedure in CFR Part 60, Appendix "F." For Boilers 80-1 and 80-3, the Owner/Operator shall conduct annually an EPA Reference Method stack test for CO. The Owner/Operator may request the Department to decrease the frequency of performance tests based on the results of any performance testing.</p> <p>Recordkeeping: For Boiler 80-2 and the CCUs, the Owner/Operator shall maintain CO CEMS data, calibration and audit results in accordance with Condition 3(b). For Boilers 80-1 and 80-3 the Owner/Operator shall comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.iv.</p>	<p>in addition to those listed in Condition 3(c)(3) of this permit.</p>
<p>Volatile Organic Compounds (VOC): Emission Standards: <i>[Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</i> The Owner/Operator shall not cause or allow the e</p>	<p>Compliance Method: <i>[Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)]</i> Compliance with the VOC Emission Standards shall be demonstrated using stack test based emissions fac</p>	<p>Reporting: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.v.</p>

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	
<p>of VOC in excess of 22.7 TPY from the CCUs (Emission Units 84-1 and 84-2) and Boilers 80-2 and 80-3, combined on a rolling twelve (12) month basis.</p> <p>Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.</p>	<p>and fuel flow rates for the boilers and CCUs.</p> <p>Monitoring/Testing: The Owner/Operator shall conduct annually an EPA Reference Method 25 A stack test for VOC, in accordance with Condition 3(b). The Owner/Operator may petition the Department to decrease the frequency of VOC performance testing based on the results of any performance test. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.iii.</p> <p>Recordkeeping: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.iv.</p> <p>Compliance Method: [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)] Compliance with the H₂SO₄ Emission Standards shall be demonstrated using stack test based emission factors and fuel flow rates for the boilers and Boilers 80-2 and 80-3. Compliance for the boiler 80-3 and the CCUs shall be demonstrated by applying the stack test based on H₂SO₄ conversion factor to the CEMS-monitored SO₂ emissions.</p> <p>Compliance for the Boilers 80-1 and 80-2 shall be demonstrated by applying the fuel gas monitoring H₂S content to the H₂SO₄ conversion factor.</p>	<p>Certification: Comply with "Conditions Applicable to Multiple Pollutants" in addition to those listed in Condition 3(c)(3) of the permit.</p> <p>Reporting: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.v.</p> <p>Certification: Comply with "Conditions Applicable to Multiple Pollutants" in addition to those listed in Condition 3(c)(3) of the permit.</p>
<p>Sulfuric Acid Mist (H₂SO₄): Emission Standards: [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)] The Owner/Operator shall not cause or allow the emission of H₂SO₄ in excess of 235.4 TPY from the CCUs (Emission Units 84-1 and 84-2) and Boilers 80-2 and 80-3, combined on a rolling twelve (12) month basis.</p> <p>Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.</p>	<p>Compliance Method: [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)] Compliance with the H₂SO₄ Emission Standards shall be demonstrated using stack test based emission factors and fuel flow rates for the boilers and Boilers 80-2 and 80-3. Compliance for the boiler 80-3 and the CCUs shall be demonstrated by applying the stack test based on H₂SO₄ conversion factor to the CEMS-monitored SO₂ emissions.</p> <p>Compliance for the Boilers 80-1 and 80-2 shall be demonstrated by applying the fuel gas monitoring H₂S content to the H₂SO₄ conversion factor.</p>	<p>Certification: Comply with "Conditions Applicable to Multiple Pollutants" in addition to those listed in Condition 3(c)(3) of the permit.</p> <p>Reporting: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.v.</p> <p>Certification: Comply with "Conditions Applicable to Multiple Pollutants" in addition to those listed in Condition 3(c)(3) of the permit.</p>

Condition 3 - Table 1 (Specific Requirements)

Compliance Determination		
Emission	Methodology	Reporting/Compliance
Limitation(s)/Standard(s)	(Monitoring/Testing, QA/QC	Certification
and/or Operational	Procedures (as applicable)	
Limitation(s)/Standard(s)	and Record Keeping)	
	<p>Monitoring/Testing: The Owner/Operator shall conduct annually an EPA Reference Method 8 stack test for H₂SO₄, in accordance with Condition 3(b). The Owner/Operator may petition the Department to decrease the frequency of H₂SO₄ performance tests based on the results of any performance testing. Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.iii .</p> <p>Recordkeeping: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.iv .</p> <p>iii. Compliance Method: [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)] Compliance with the Pb Emission Standard shall be demonstrated by firing desulfurized fuel gas or clean syngas in the boilers and either clean syngas or LFG in the CCUs and natural gas in the duct burners.</p> <p>Monitoring/Testing: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.iii .</p> <p>Recordkeeping:</p>	<p>Reporting: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2.v .</p> <p>Certification: Comply in addition to those listed in Condition 3, Table 1.a.2.vi . 3(c)(3)</p>
<p>Lead (Pb): Emission Standard: [Reference APC-90/0288 (A5), APC-90/0289 (A6), APC-90/0290 (A5) and APC-97/0503 (A3)] The Owner/Operator shall not cause or allow the release of Pb in excess of 0.02 TPY from the CCUs (Emission Units 84-1 and 84-2) and Boilers 80-2 and 80-3, combined on a rolling twelve (12) month basis.</p> <p>Operational Limitations: Comply with "Conditions Applicable to Multiple Pollutants" in Condition 3, Table 1.a.2</p>		

Condition 3 - Table 1 (Specific Requirements)

Emission Limitation(s)/Standard(s) and/or Operational Limitation(s)/Standard(s)	Compliance Determination	
	Methodology	Reporting/Compliance
	(Monitoring/Testing, QA/QC Procedures (as applicable) and Record Keeping)	Certification

Apply with "Conditions Applicable to Multiple Pollutants"
Condition 3, Table 1.a.2.iv .

Condition 4. Operational Flexibility

- a. In addition to the operational flexibility specifically provided in the terms and conditions detailed in Condition 3 - Table 1 of this permit, the Owner/Operator is authorized to make any change within the facility which contravenes the terms and conditions of this permit without a permit revision if the change:
 1. Is not a modification or otherwise prohibited under any provision of Title I of the Act or the State Implementation Plan (SIP); and [*Reference Regulation No. 30 Section 6(h), dated 12/11/2000*].
 2. Does not involve a change in any compliance schedule date; and [*Reference Regulation No. 30 Section 6(h), dated 12/11/2000*]
 3. Does not result in a level of emissions exceeding the emissions allowable under this permit, whether expressed herein as a rate of emissions or in terms of total emissions. [*Reference Regulation No. 30 Section 6(h), dated 12/11/2000*]
- b. Before making a change under the provisions of Condition 4(a) of this permit, the Owner/Operator shall provide advance written notice to the Department and to the EPA in accordance with Condition 3(c)(2)(iii) of this permit. [*Reference Regulation No. 30 Section 6(h)(1), dated 12/11/2000*]
- c. The Owner/Operator shall keep records of any change made under Condition 4 of this permit in accordance with Condition 3(b)(2)(iv) of this permit. [*Reference Regulation No. 30 Section 6(h)(1), dated 12/11/2000*]

Condition 5. Compliance Schedule

This permit does not contain a compliance schedule. [*Reference Regulation No. 30, Section (6)(c)(3), dated 12/11/2000*]

Condition 6. Permit Shield.

Permit: AQM-003/00016 - Part 3 (Renewal 1) Proposed

The Premcor Refining Group, Inc.

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Compliance with the terms and conditions of this permit shall constitute compliance with 7 Del. C. Chapter 60 for the discharge of any air contaminant specifically identified in the permit application as of the day of permit issuance. However, nothing in this permit shield shall in any way limit or affect the following:

1. The provisions of section 303 (Emergency Orders) of the Act, including the authority of the Administrator under that section; or
2. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance; or
3. The applicable requirements of the acid rain program consistent with section 408(a) of the Act; or
4. The ability of EPA to obtain information from a source pursuant to section 114 of the Act.

[Reference Regulation No. 30 Sections 6(f)(4) dated 12/11/00.

The permit shield granted in Condition 6 of this permit shall not extend to any changes made pursuant to Condition 2(m)(3) [Minor Permit Modifications] or Condition 4 [Operational Flexibility] of this permit.

[Reference Regulation No. 30 Sections 6(h)(2) dated 12/11/00, 7(e)(1)(vi) dated 12/11/00, and 7(e)(2)(vi) dated 12/11/00]

REVISION HISTORY

Date	Number	Revision Type	Description	Pages Revised
4/11/2005	<u>QM-003/00016-Part 3</u>	A	Initial issuance	A
1/10/2005	<u>QM-003/00016-Part 3</u>	Administrative	Change in Responsible Official	

PEF:CRR/BAS:slb

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pc: Dover Title V File

Bruce Steltzer